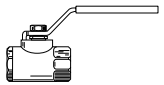
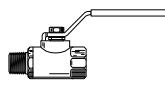
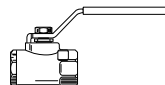
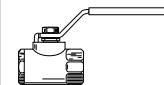
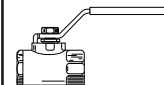
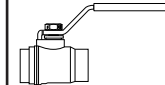
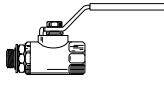
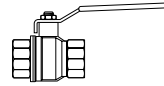
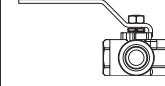
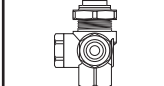

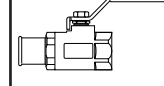
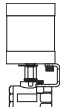
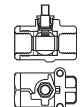
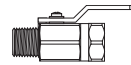
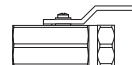
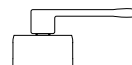
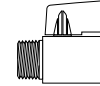
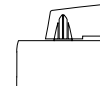
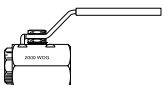
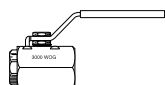
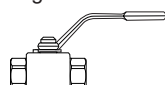
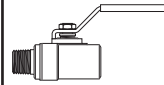
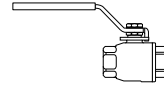
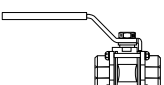
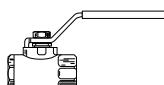

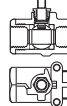
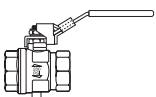
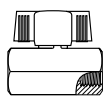
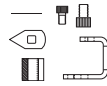

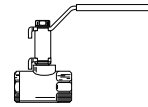
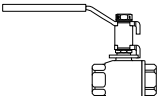

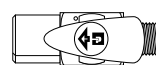
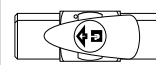
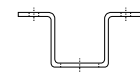
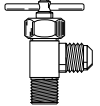
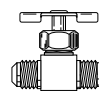
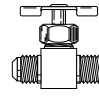
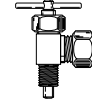





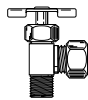
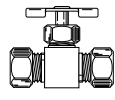
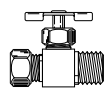
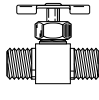
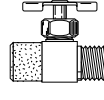
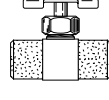
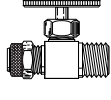
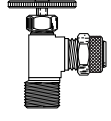
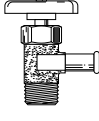
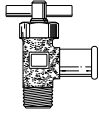
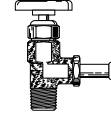





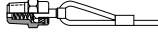
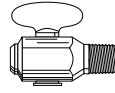
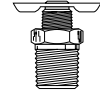
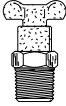
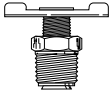

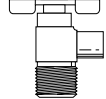
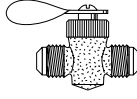
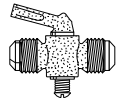
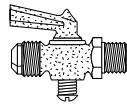
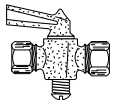
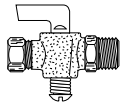
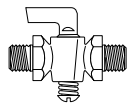
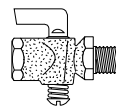
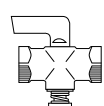
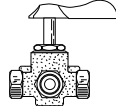
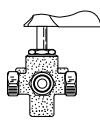
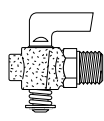
Valves

Brass Ball Valves Series 500	J4	Stainless Steel Ball Valves	
Male/Female Ball Valves Series 501	J8	Series 502SS	J45
Brass Panel Mount Ball Valves Series 502	J11	Stainless Steel Swing-Out	
UL Ball Valves Series 500/501 PUL	J14	Ball Valves Series 504SS	J48
Female/Female Straight Thread		Female/Female Straight Thread	
Brass Ball Valve Series 506	J17	Stainless Steel Ball Valves	
Solder End Ball Valves Series 509	J19	Series 506SS	J50
Male/Female Straight Thread		Rotary Actuator Ball Valves Series ACT ...	J52
Ball Valves Series 510	J21	Parker Metric Ball Valves Series BVGC	J57
Brass Ball Valves Series 520	J24	Parker Metric Ball Valves Series BVGL	J59
Series 533	J26	Parker Metric Ball Valves	
Brass Ball Valves		Series BVGPLOCK	J61
Series 533 3-Way Diversion		Parker Metric Ball Valves Series MBVG	J64
Series 540 4-Way Diversion	J26	Micro Ball Valve Series 708 / 709	J66
90° Ball Valves Series 590/591	J28	Replacement Componentry	J68
Brass Hose Barb Ball Valves		Series STX	J69
Series 500HB	J30	Mini Ball Valves Series 200/608/609	J71
Brass Ball Valves Series 600		Plug Valves Series PV	J73
Six Port Diversion	J31	Needle Valves, Truck Valves,	
Carbon Steel Ball Valves		Lanyard Valve	J75
Series 500CS/502CS	J33	Drain Cocks/Ground Plug Shutoff	J81
Carbon Steel Ball Valves Series 506CS	J37		
High Pressure Carbon Steel Ball Valves			
Series 500HP/506HP/507HP	J39		
Stainless Steel Ball Valves			
Series 501SS	J43		

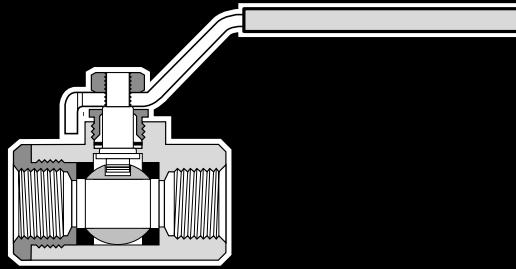
The World Standard

Brass Ball Valves	XV500P Female-Female  Page J5	XV501P Male-Female  Page J9	XV502P Panel Mount  Page J12	XV500/501PUL UL Ball Valve  Page J15	XV506P Straight Thread  Page J18	XV509P Solder End  Page J20
	XV510P Straight Thread  Page J22	XV520P Economy Series  Page J25	XV533P 3-Way Diversion  Page J27	XV540P 4-Way Diversion  Page J27	XV590/591P 90° Ball Valve  Page J29	XV500HB Hose Barb  Page J30
XV502P-ACT Actuator  Page J54	XV502P-SUB Sub Assembly  Page J55	MV708 Micro Valve  Page J67	MV709 Micro Valve  Page J67	MV200 Mini Valve  Page J72	MV608 Mini Valve  Page J72	MV609 Mini Valve  Page J72
Carbon Steel Valves	XV500/502CS Female-Female  Page J34	XV506CS Straight Thread  Page J38	XV500HP/506HP/507HP High Pressure  Page J40	Stainless Steel Valves	XV501SS Male-Female  Page J44	XV502SS Female-Female  Page J46
	XV504SS Swing-Out  Page J49	XV506SS Straight Thread  Page J51	XV502SS-ACT Actuator  Page J54		XV502SS-SUB Sub Assembly  Page J55	Metric Ball Valves
BVGPLOCK Padlocking  Page J62	MBVG Compact  Page J65	Auxiliary	ACT-P-KIT Brass Actuator Kit  Page J56	ACT-SS-Kit Stainless Actuator Kit  Page J56	STX-P-1-125 Stem Extension  Page J69	
STXSS-X-X Stem Extension  Page J70	Plug Valves		PV607 Male-Male  Page J74	PV608 Male-Female  Page J74	PV609 Female-Female  Page J74	PVMB Mounting Bracket  Page J74
Needle Valves		NV101F Flare-Male Pipe  Page J76	NV102F Flare-Flare  Page J76	NV103F Flare-Male Pipe  Page J76	HV104C Humidifier Valve  Page J76	HV104C-Kit Humidifier Kit  Page J76

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<p>NV104C/ NV104CA Comp-Pipe</p>  <p>Page J77</p>	<p>NV105C/ NV105CA Comp-Comp</p>  <p>Page J77</p>	<p>NV106C/ NV106CA Comp-Pipe</p>  <p>Page J78</p>	<p>NV107P Pipe-Pipe</p>  <p>Page J78</p>	<p>NV108P Female-Male</p>  <p>Page J78</p>	<p>NV109P Female-Female</p>  <p>Page J78</p>	<p>NV311P Poly-Tite/Pipe</p>  <p>Page J78</p>	
<p>NV312P Poly-Tite/Pipe</p>  <p>Page J79</p>	<p>Truck Valves</p>		<p>V404P Hose-Pipe</p>  <p>Page J79</p>	<p>V404PH Hose-Pipe</p>  <p>Page J79</p>	<p>SV404P Hose-Pipe</p>  <p>Page J79</p>	<p>V405P Female-Male</p>  <p>Page J79</p>	<p>V408NTA Tube-Pipe</p>  <p>Page J80</p>
<p>V409F Flare - Pipe</p>  <p>Page J80</p>	<p>V410NTA Tube-Pipe</p>  <p>Page J80</p>	<p>V412F Tube-Pipe</p>  <p>Page J80</p>	<p>LV91 Lanyard Valve</p>  <p>Page J80</p>	<p>Drain Cocks</p>		<p>DCR601 Internal Seal</p>  <p>Page J84</p>	<p>DC602 Internal Seal</p>  <p>Page J84</p>
<p>DC603 Internal Seal</p>  <p>Page J84</p>	<p>DC604 External Seal</p>  <p>Page J84</p>	<p>DC606 External Seal</p>  <p>Page J84</p>	<p>DC607 Bib Drain</p>  <p>Page J84</p>	<p>Shutoff Valves</p>		<p>V201F Flare-Flare</p>  <p>Page J82</p>	<p>V203F Flare-Flare</p>  <p>Page J82</p>
<p>V204F Flare-Pipe</p>  <p>Page J82</p>	<p>V303C/V303CA Comp-Comp</p>  <p>Page J82</p>	<p>V304C/V304CA Comp-Pipe</p>  <p>Page J82</p>	<p>V401P Pipe-Pipe</p>  <p>Page J82</p>	<p>V402P Female-Male</p>  <p>Page J83</p>	<p>V403P Female-Female</p>  <p>Page J83</p>	<p>V406P 3-Way</p>  <p>Page J83</p>	
<p>V407P 4-Way</p>  <p>Page J83</p>	<p>DC601 Pipe</p>  <p>Page J83</p>						

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Brass Ball Valves Series 500

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This economical ball valve is available in female pipe sizes. Parker's ball valve bodies are machined from high quality CA 377 forgings.

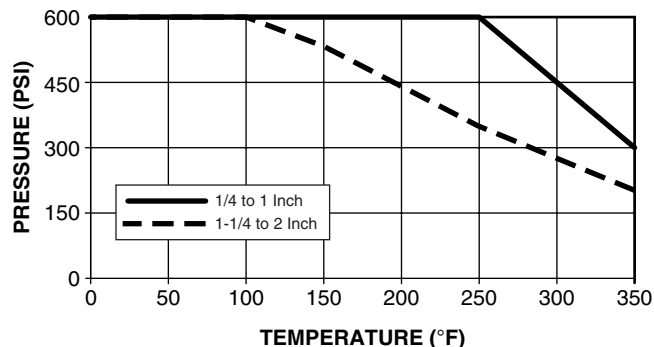
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI and 400° F
 Vacuum, 29 Inches of Mercury
 Vented up to 250 PSI



Operating Instructions

Quarter turn is "ON" or "OFF".
 (Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	500	P	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle VV-Valve, Vented VVP-Valve, Vented, Padlocking Handle			
Type	500-Female/Female PTF Ports			
Material	P- Brass PN-Nickel Plated			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	01-Stainless Steel Ball & Stem 02-Stainless Steel Handle & Nut 03-Stainless Steel Ball, Stem, Handle & Nut 04-Tee Handle 08-Unmarked Yellow Vinyl Handle Cover 21-Oval Handle			

Style	Type	Material	Size
V	500	P	-20
Style	V-Valve VP-Valve, Padlocking Handle		
Type	500-Female/Female PTF Ports		
Material	P- Brass		
Size	20-1 1/4" 24-1 1/2" 32-2"		

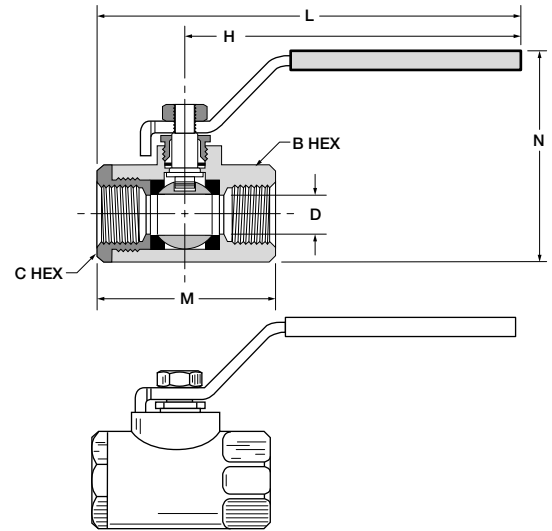
Flow Data

VALVE SIZE	CV
1/4	4.0
3/8	5.8
1/2	12.0
3/4	25.0
1	35.0
1-1/4	57.0
1-1/2	92.0
2	224.0

Female-Female Pipe Ends XV500P

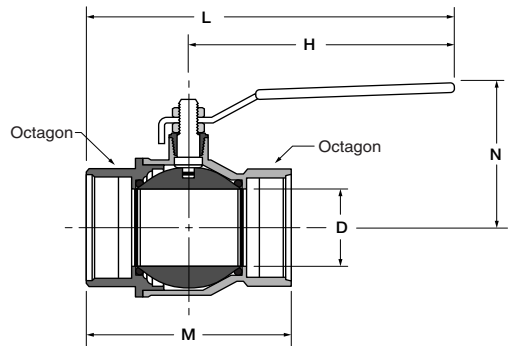
PART NO.	PIPE THREAD [PTF]	B HEX	C HEX	H	L	M	N	FLOW DIA.D
XV500P-4	1/4	15/16	15/16	3.96	4.90	2.03	2.47	.375
XV500P-6	3/8	15/16	15/16	3.96	4.90	2.03	2.47	.375
XV500P-8	1/2*	1-1/16	1-1/16	3.96	5.00	2.20	2.58	.500
XV500P-12†	3/4**	1-1/4	1-5/16	3.96	5.25	2.42	2.81	.685
XV500P-16†	1**	1-1/2	1-9/16	3.96	5.34	2.75	3.08	.875

† Available in Full Flow Panel Mount see XV508P Series



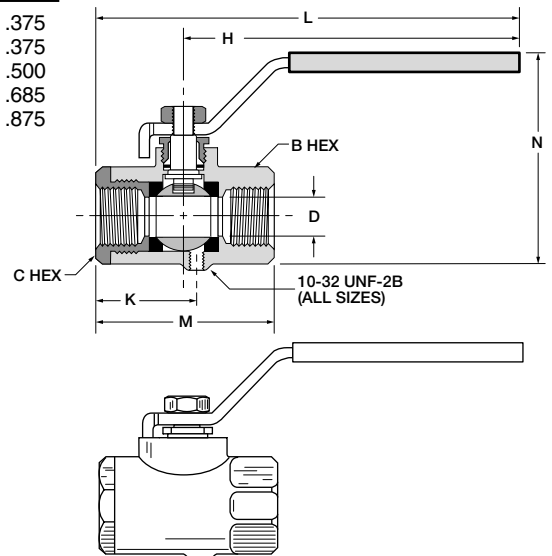
Female-Female Pipe Ends XV500P-20, XV500P-24, XV500P-32

PART NO.	PIPE THREAD [NPT]	OCTAGON	H	L	M	N	FLOW DIA.D
XV500P-20	1-1/4	1.93	6.22	8.05	3.66	3.01	1.18
XV500P-24	1-1/2	2.13	6.22	8.23	4.02	3.25	1.50
XV500P-32	2	2.69	6.22	8.58	4.76	3.52	1.89



Vented, Female Pipe Ends XVV500P

PART NO.	PIPE THREAD	B HEX	C HEX	K	H	L	M	N	D FLOW Ø
XVV500P-4	1/4	15/16	15/16	1.11	3.96	4.90	2.03	2.47	.375
XVV500P-6	3/8	15/16	15/16	1.11	3.96	4.90	2.03	2.47	.375
XVV500P-8	1/2*	1-1/16	1-1/16	1.23	3.96	5.00	2.20	2.58	.500
XVV500P-12	3/4**	1-1/4	1-5/16	1.45	3.96	5.25	2.42	2.81	.685
XVV500P-16	1**	1-1/2	1-9/16	1.58	3.96	5.34	2.75	3.08	.875

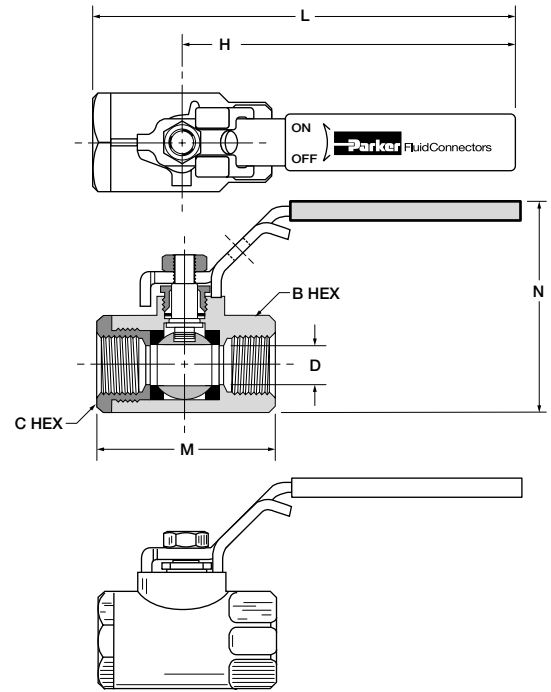


*PTF special short. **PTF special extra short



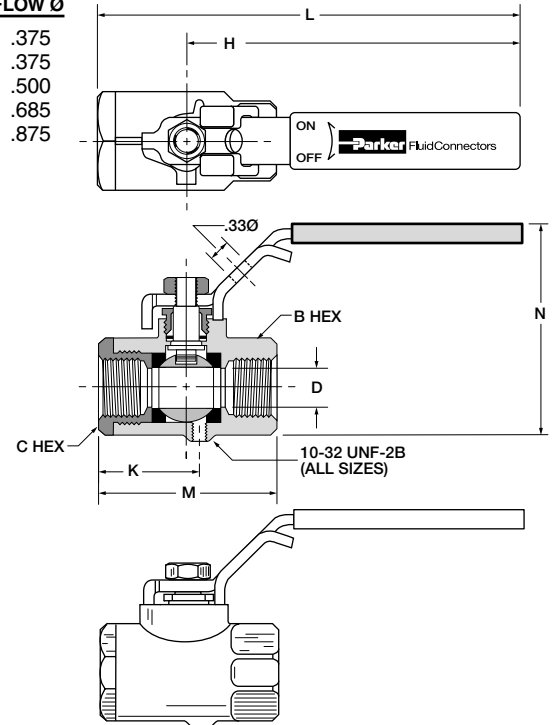
Locking Handle, Female Pipe Ends XVP500P

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVP500P-4	1/4	15/16	15/16	3.96	4.90	2.03	2.47	.375
XVP500P-6	3/8	15/16	15/16	3.96	4.90	2.03	2.47	.375
XVP500P-8	1/2*	1-1/16	1-1/16	3.96	5.00	2.20	2.58	.500
XVP500P-12	3/4**	1-1/4	1-5/16	3.96	5.25	2.42	2.81	.685
XVP500P-16	1**	1-1/2	1-9/16	3.96	5.34	2.75	3.08	.875
For use with 5/16" Ø shank lock; .33Ø								
XVP500P-20	1-1/4	1-15/16	1-15/16	6.22	8.05	3.66	4.04	1.180
XVP500P-24	1-1/2	2-1/8	2-1/8	6.22	8.23	4.02	4.52	1.500
XVP500P-32	2	2-11/16	2-11/16	6.22	8.60	4.76	5.07	1.890
For use with 9/32" Ø shank lock; .31Ø								



OSHA 29 CFR Part 1910 Vented, Locking Handle, Female Pipe Ends XVVP500P

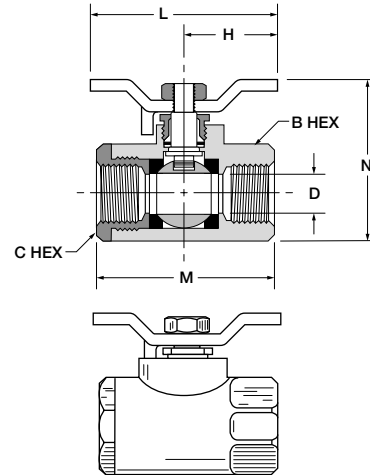
PART NO.	PIPE THREAD	B HEX	C HEX	K	H	L	M	N	D FLOW Ø
XVVP500P-4	1/4	15/16	15/16	1.11	3.96	4.90	2.03	2.47	.375
XVVP500P-6	3/8	15/16	15/16	1.11	3.96	4.90	2.03	2.47	.375
XVVP500P-8	1/2*	1-1/16	1-1/16	1.23	3.96	5.00	2.20	2.58	.500
XVVP500P-12	3/4**	1-1/4	1-5/16	1.45	3.96	5.25	2.42	2.81	.685
XVVP500P-16	1**	1-1/2	1-9/16	1.58	3.96	5.34	2.75	3.08	.875
For use with 5/16" Ø shank lock									



*PTF special short. **PTF special extra short

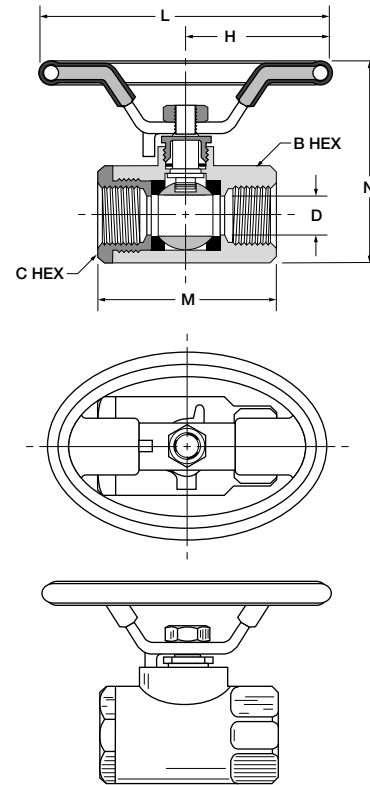
Tee Handle, Female Pipe Ends XV500P-X-04

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV500P-4-04	1/4	15/16	15/16	1.25	2.50	2.03	1.87	.375
XV500P-6-04	3/8	15/16	15/16	1.25	2.50	2.03	1.87	.375
XV500P-8-04	1/2*	1-1/16	1-1/16	1.25	2.50	2.20	1.98	.500
XV500P-12-04	3/4**	1-1/4	1-5/16	1.25	2.50	2.42	2.20	.685
XV500P-16-04	1**	1-1/2	1-9/16	1.25	2.50	2.75	2.48	.875



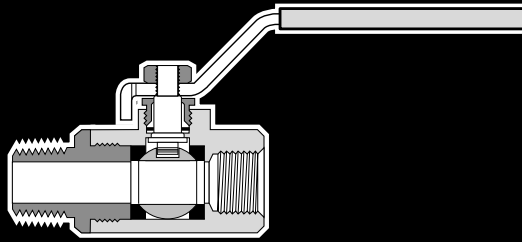
Oval Handle, Female Pipe Ends XV500P-X-21

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV500P-4-21	1/4	15/16	15/16	1.74	3.49	2.03	2.38	.375
XV500P-6-21	3/8	15/16	15/16	1.74	3.49	2.03	2.38	.375
XV500P-8-21	1/2*	1-1/16	1-1/16	1.74	3.49	2.20	2.49	.500
XV500P-12-21	3/4**	1-1/4	1-5/16	1.74	3.48	2.42	2.71	.685
XV500P-16-21	1**	1-1/2	1-9/16	1.74	3.48	2.75	2.99	.875



*PTF special short. **PTF special extra short





Male/Female Ball Valves Series 501

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This economical ball valve is available in 1/4", 3/8", 1/2", 3/4" and 1" female/male pipe sizes. Parker's ball valve bodies are machined from high quality CA 377 forgings.

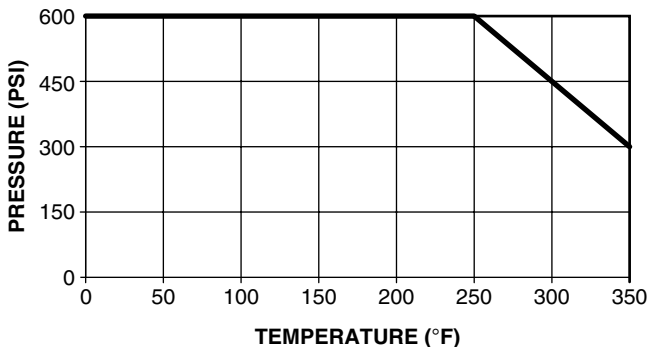
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperatures

Saturated steam service up to 150 PSI and 400° F
 Vacuum, 29 Inches of Mercury
 Vented up to 250 PSI



Operating Instructions

Quarter turn is "ON" or "OFF".
 (Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	501	P	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle VV-Valve, Vented VVP-Valve, Vented, Padlocking Handle			
Type	501-Male/Female PTF Ports			
Material	P- Brass PN-Nickel Plated			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	01-Stainless Steel Ball & Stem 02-Stainless Steel Handle & Nut 03-Stainless Steel Ball, Stem, Handle & Nut 04-Tee Handle 08-Unmarked Yellow Vinyl Handle Cover 21-Oval Handle			

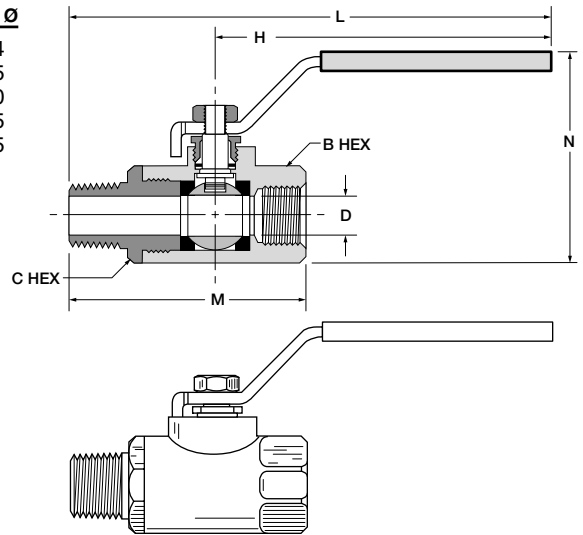
Flow Data

VALVE SIZE	CV
1/4	6.3
3/8	5.7
1/2	10.0
3/4	25.0
1	35.0

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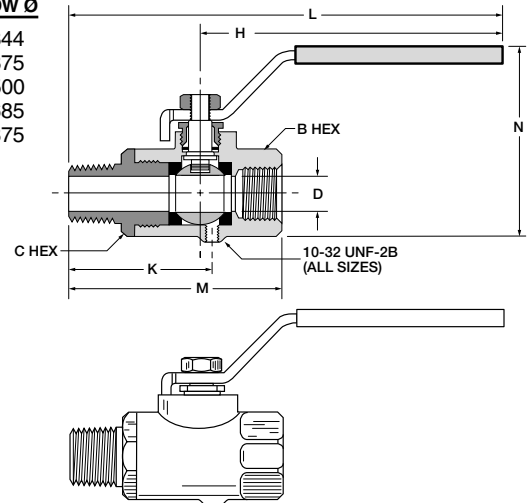
Male-Female Pipe Ends XV501P

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV501P-4	1/4	15/16	15/16	3.96	5.46	2.59	2.47	.344
XV501P-6	3/8	15/16	15/16	3.96	5.46	2.59	2.47	.375
XV501P-8	1/2*	1-1/16	1-1/16	3.96	5.75	2.94	2.58	.500
XV501P-12	3/4**	1-1/4	1-5/16	3.96	5.83	3.00	2.81	.685
XV501P-16	1**	1-1/2	1-9/16	3.96	6.19	3.60	3.08	.875



Vented, Male-Female Pipe Ends XVV501P

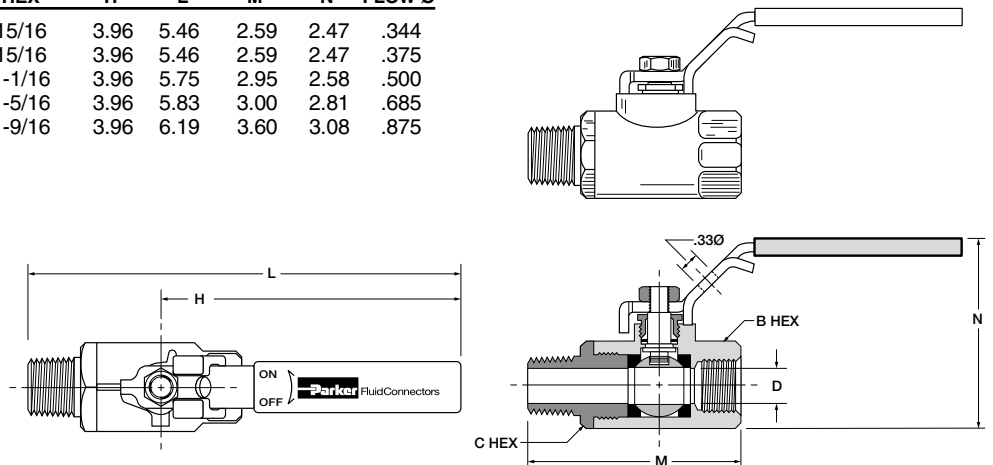
PART NO.	PIPE THREAD	B HEX	C HEX	K	H	L	M	N	D FLOW Ø
XVV501P-4	1/4	15/16	15/16	1.67	3.96	5.46	2.59	2.47	.344
XVV501P-6	3/8	15/16	15/16	1.67	3.96	5.46	2.59	2.47	.375
XVV501P-8	1/2*	1-1/16	1-1/16	1.98	3.96	5.75	2.95	2.58	.500
XVV501P-12	3/4**	1-1/4	1-5/16	2.03	3.96	5.83	3.00	2.81	.685
XVV501P-16	1**	1-1/2	1-9/16	2.43	3.96	6.19	3.60	3.08	.875



Locking Handle, Male-Female Pipe Ends XVP501P

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVP501P-4	1/4	15/16	15/16	3.96	5.46	2.59	2.47	.344
XVP501P-6	3/8	15/16	15/16	3.96	5.46	2.59	2.47	.375
XVP501P-8	1/2*	1-1/16	1-1/16	3.96	5.75	2.95	2.58	.500
XVP501P-12	3/4**	1-1/4	1-5/16	3.96	5.83	3.00	2.81	.685
XVP501P-16	1**	1-1/2	1-9/16	3.96	6.19	3.60	3.08	.875

For use with 5/16" Ø shank lock



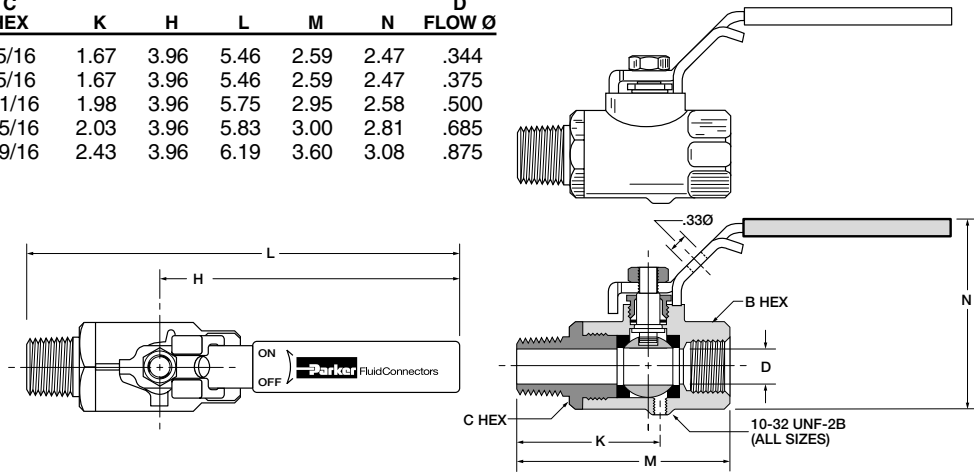
*PTF special short. **PTF special extra short



**OSHA 29 CFR Part 1910
Vented, Locking Handle, Male-Female Pipe Ends XVVP501P**

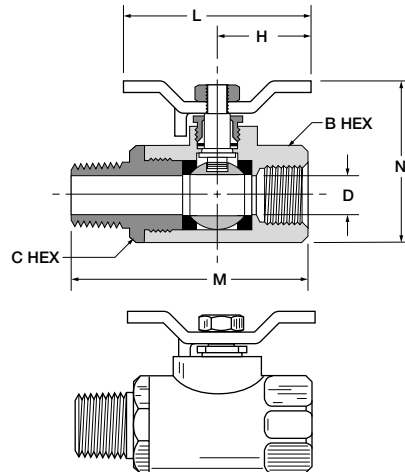
PART NO.	PIPE THREAD	B HEX	C HEX	K	H	L	M	N	D FLOW Ø
XVVP501P-4	1/4	15/16	15/16	1.67	3.96	5.46	2.59	2.47	.344
XVVP501P-6	3/8	15/16	15/16	1.67	3.96	5.46	2.59	2.47	.375
XVVP501P-8	1/2*	1-1/16	1-1/16	1.98	3.96	5.75	2.95	2.58	.500
XVVP501P-12	3/4**	1-1/4	1-5/16	2.03	3.96	5.83	3.00	2.81	.685
XVVP501P-16	1**	1-1/2	1-9/16	2.43	3.96	6.19	3.60	3.08	.875

For use with 5/16" Ø shank lock



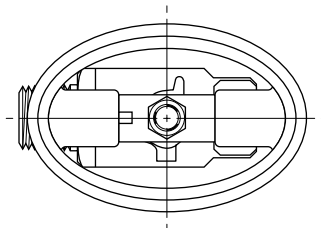
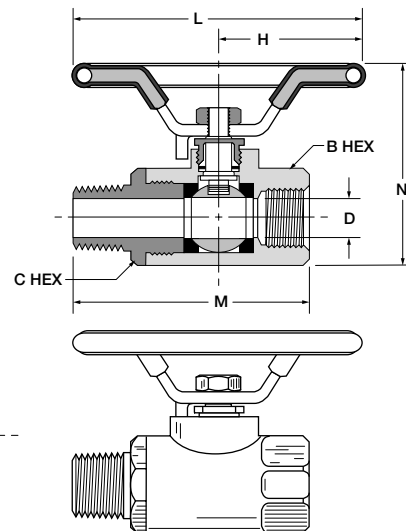
Tee Handle, Male-Female Pipe Ends XV501P-X-04

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV501P-4-04	1/4	15/16	15/16	1.25	2.50	2.59	1.87	.344
XV501P-6-04	3/8	15/16	15/16	1.25	2.50	2.59	1.87	.375
XV501P-8-04	1/2*	1-1/16	1-1/16	1.25	2.50	2.95	1.98	.500
XV501P-12-04	3/4**	1-1/4	1-5/16	1.25	2.50	3.00	2.20	.685
XV501P-16-04	1**	1-1/2	1-9/16	1.25	2.50	3.60	2.48	.875

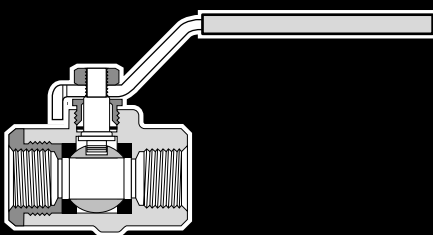


Oval Handle, Male-Female Pipe Ends XV501P-X-21

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV501P-4-21	1/4	15/16	15/16	1.74	3.49	2.59	2.38	.344
XV501P-6-21	3/8	15/16	15/16	1.74	3.49	2.59	2.38	.375
XV501P-8-21	1/2*	1-1/16	1-1/16	1.74	3.49	2.95	2.49	.500
XV501P-12-21	3/4**	1-1/4	1-5/16	1.74	3.48	3.00	2.71	.685
XV501P-16-21	1**	1-1/2	1-9/16	1.74	3.48	3.60	2.99	.875



*PTF special short. **PTF special extra short



Brass Panel Mount Ball Valves Series 502

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This economical ball valve is available in female pipe sizes. Parker's ball valve bodies are machined from high quality CA 377 forgings.

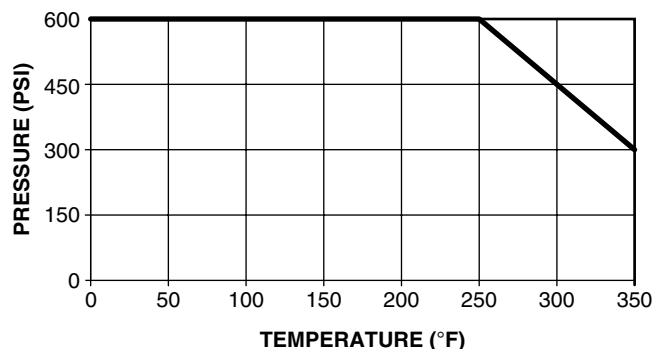
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI and 400° F
 Vacuum, 29 Inches of Mercury
 Vented up to 250 PSI



Operating Instructions

Quarter turn is "ON" or "OFF".
 (Provides positive stop action for full shutoff.)

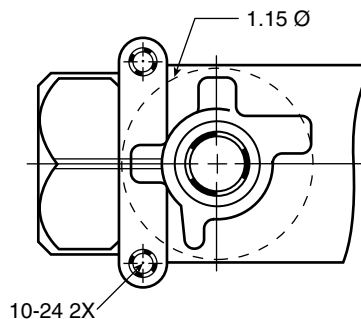
NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	502	P	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle VV-Valve, Vented VVP-Valve, Vented, Padlocking Handle			
Type	502-Female/Female PTF Ports			
Material	P- Brass PN-Nickel Plated			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	01-Stainless Steel Ball & Stem 02-Stainless Steel Handle & Nut 03-Stainless Steel Ball, Stem, Handle & Nut 04-Tee Handle 08-Unmarked Yellow Vinyl Handle Cover 21-Oval Handle			

Flow Data

VALVE SIZE	CV
1/4	4.0
3/8	5.8
1/2	12.0
3/4	25.0
1	35.0

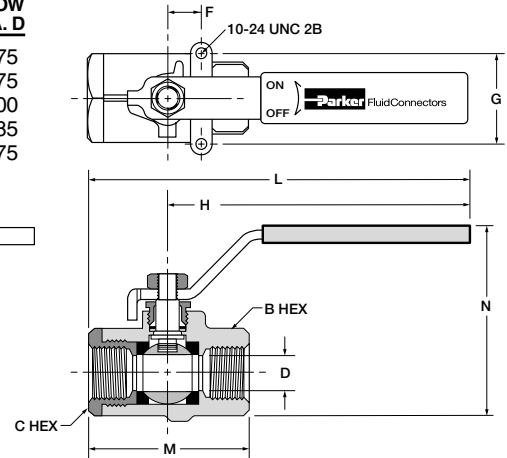
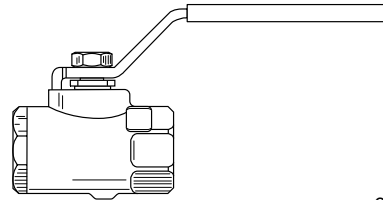
Mounting detail for all sizes



Female-Female Pipe Ends, Panel Mount XV502P

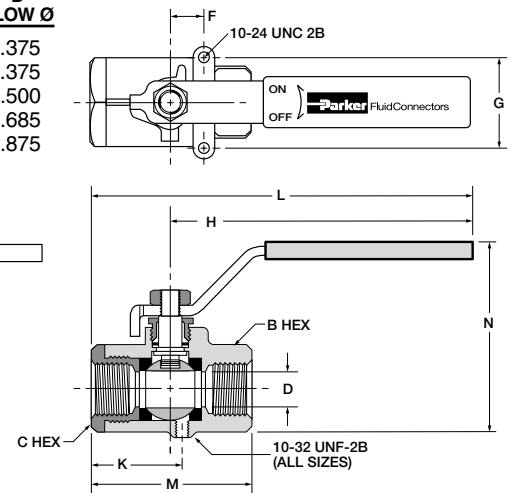
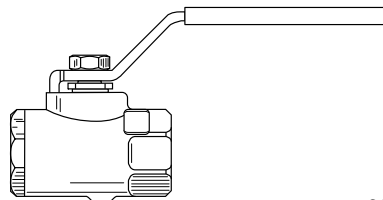
PART NO.	PIPE THD.	B HEX	C HEX	F	G	H	L	M	N	FLOW DIA. D
XV502P-4	1/4	15/16	15/16	.50	1.12	3.96	4.90	2.03	2.47	.375
XV502P-6	3/8	15/16	15/16	.50	1.12	3.96	4.90	2.03	2.47	.375
XV502P-8	1/2*	1-1/16	1-1/16	.50	1.12	3.96	5.00	2.20	2.58	.500
XV502P-12†	3/4**	1-1/4	1-5/16	.87	1.37	3.96	5.25	2.42	2.81	.685
XV502P-16†	1**	1-1/2	1-9/16	.87	1.37	3.96	5.34	2.75	3.08	.875

† Available in Full Flow see XV508P Series



Vented, Female-Female Pipe Ends, Panel Mount XVV502P

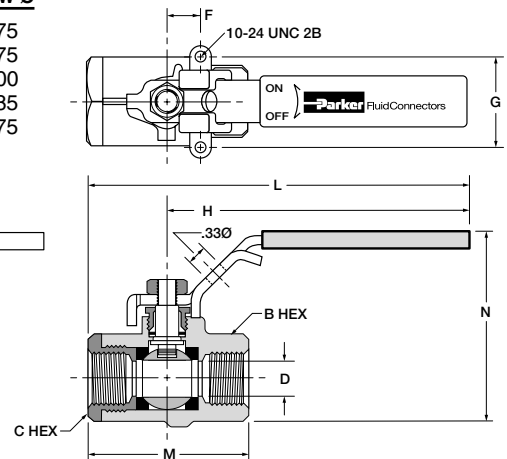
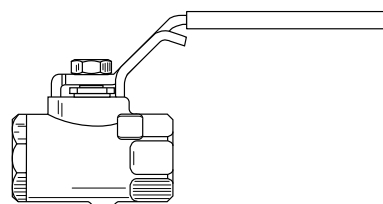
PART NO.	PIPE THD.	B HEX	C HEX	F	G	K	H	L	M	N	D FLOW Ø
XVV502P-4	1/4	15/16	15/16	.50	1.12	1.11	3.96	4.90	2.03	2.47	.375
XVV502P-6	3/8	15/16	15/16	.50	1.12	1.11	3.96	4.90	2.03	2.47	.375
XVV502P-8	1/2*	1-1/16	1-1/16	.50	1.12	1.23	3.96	5.00	2.20	2.58	.500
XVV502P-12	3/4**	1-1/4	1-5/16	.87	1.37	1.45	3.96	5.25	2.42	2.81	.685
XVV502P-16	1**	1-1/2	1-9/16	.87	1.37	1.58	3.96	5.34	2.75	3.08	.875



Locking Handle, Female Pipe Ends, PanelMount XVP502P

PART NO.	PIPE THD.	B HEX	C HEX	F	G	H	L	M	N	D FLOW Ø
XVP502P-4	1/4	15/16	15/16	.50	1.12	3.96	4.90	2.03	2.47	.375
XVP502P-6	3/8	15/16	15/16	.50	1.12	3.96	4.90	2.03	2.47	.375
XVP502P-8	1/2*	1-1/16	1-1/16	.50	1.12	3.96	5.00	2.20	2.58	.500
XVP502P-12	3/4**	1-1/4	1-5/16	.87	1.37	3.96	5.25	2.42	2.81	.685
XVP502P-16	1**	1-1/2	1-9/16	.87	1.37	3.96	5.34	2.75	3.08	.875

For use with 5/16" Ø shank lock



*PTF special short. **PTF special extra short

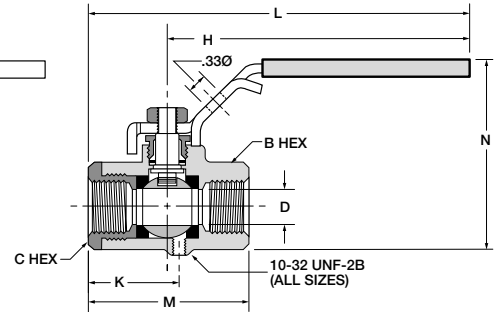
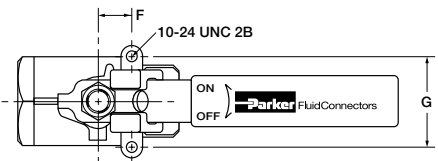
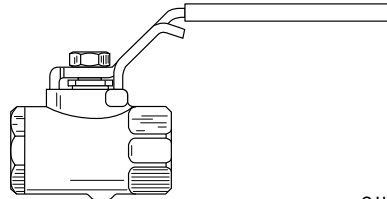
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**OSHA 29 CFR Part 1910
Vented, Locking Handle, Female Pipe Ends, Panel Mount XVVP502P**

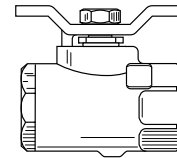
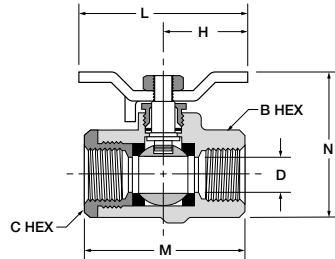
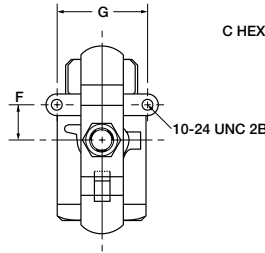
PART NO.	PIPE THD.	B HEX	C HEX	F	G	K	H	L	M	N	D FLOW Ø
XVVP502P-4	1/4	15/16	15/16	.50	1.12	1.11	3.96	4.90	2.03	2.47	.375
XVVP502P-6	3/8	15/16	15/16	.50	1.12	1.11	3.96	4.90	2.03	2.47	.375
XVVP502P-8	1/2*	1-1/16	1-1/16	.50	1.12	1.23	3.96	5.00	2.20	2.58	.500
XVVP502P-12	3/4**	1-1/4	1-5/16	.87	1.37	1.45	3.96	5.25	2.42	2.81	.685
XVVP502P-16	1**	1-1/2	1-9/16	.87	1.37	1.58	3.96	5.34	2.75	3.08	.875

For use with 5/16" Ø shank lock



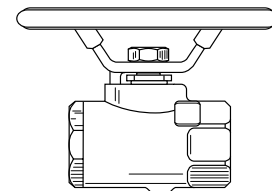
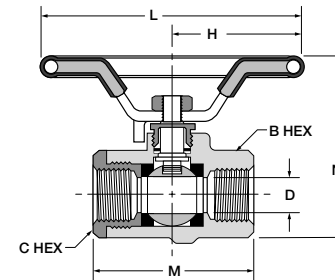
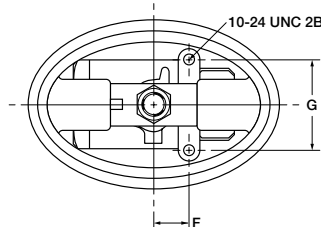
Tee Handle, Female Pipe Ends, Panel Mount XV502P-X-04

PART NO.	PIPE THD.	B HEX	C HEX	F	G	H	L	M	N	D FLOW Ø
XV502P-4-04	1/4	15/16	15/16	.50	1.12	1.25	2.50	2.03	1.87	.375
XV502P-6-04	3/8	15/16	15/16	.50	1.12	1.25	2.50	2.03	1.87	.375
XV502P-8-04	1/2*	1-1/16	1-1/16	.50	1.12	1.25	2.50	2.20	1.98	.500
XV502P-12-04	3/4**	1-1/4	1-5/16	.87	1.37	1.25	2.50	2.42	2.20	.685
XV502P-16-04	1**	1-1/2	1-9/16	.87	1.37	1.25	2.50	2.75	2.48	.875



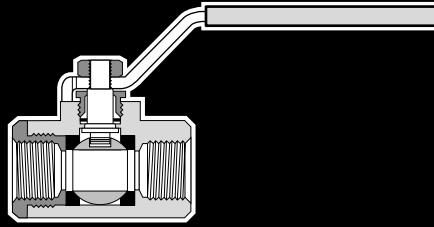
Oval Handle, Female Pipe Ends, Panel Mount XV502P-X-21

PART NO.	PIPE THD.	B HEX	C HEX	F	G	H	L	M	N	D FLOW Ø
XV502P-4-21	1/4	15/16	15/16	.50	1.12	1.74	3.49	2.03	2.38	.375
XV502P-6-21	3/8	15/16	15/16	.50	1.12	1.74	3.49	2.03	2.38	.375
XV502P-8-21	1/2*	1-1/16	1-1/16	.50	1.12	1.74	3.49	2.20	2.49	.500
XV502P-12-21	3/4**	1-1/4	1-5/16	.87	1.37	1.74	3.48	2.42	2.71	.685
XV502P-16-21	1**	1-1/2	1-9/16	.87	1.37	1.74	3.48	2.75	2.99	.875



*PTF special short. **PTF special extra short





UL Ball Valves Series 500/501 PUL

U.L. Listed #842 Test SPEC

Advantages/Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

The hand operated 500/501 PUL Series Ball Valves are, intended for use as a gas line service valve suitable for flammable liquids (YRBX), LP Gas (YSDT), and Compressed Gas (YQNZ). This economical ball valve is available in 1/4", 3/8", 1/2", 3/4" and 1" female pipe sizes. Parker's ball valve bodies are machined from high quality CA 377 forgings. Consult division for U.L. listings on ball valve options.

Working Pressure and Temperature

The maximum working pressure is not to exceed 250 PSIG, operating temperature 0°-250°F.

Markings

Tag is marked UL and 250 PSIG

Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	500	PUL	-4	-00
Style	V-Valve			
Type	500-Female/Female PTF Ports 501-Male/Female PTF Ports			
Material	P- Brass			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	01-Stainless Steel Ball & Stem 02-Stainless Steel Handle & Nut 03-Stainless Steel Ball, Stem, Handle & Nut 04-Tee Handle 08-Unmarked Yellow Vinyl Handle Cover			

Flow Data-XV500PUL Female/Female

VALVE SIZE	CV
1/4	4.0
3/8	5.8
1/2	12.0
3/4	25.0
1	35.0

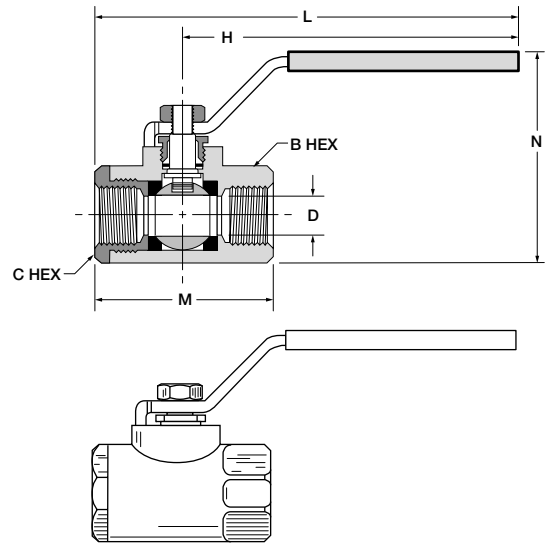
Flow Data-XV501PUL Male/Female

VALVE SIZE	CV
1/4	6.3
3/8	5.7
1/2	10.0
3/4	25.0
1	35.0

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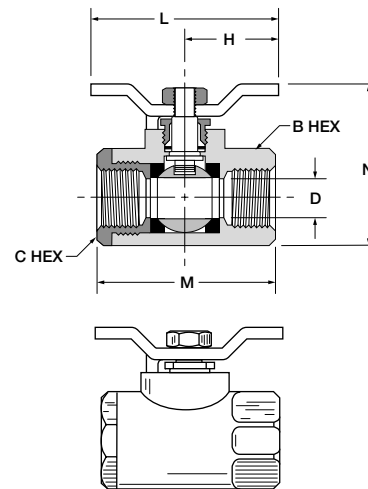
UL Listed, Female Pipe Ends XV500PUL

PART NO.	PIPE THREAD [PTF]	B HEX	C HEX	H	L	M	N	FLOW DIA.D
XV500PUL-4	1/4	15/16	15/16	3.96	4.90	2.03	2.47	.375
XV500PUL-6	3/8	15/16	15/16	3.96	4.90	2.03	2.47	.375
XV500PUL-8	1/2*	1-1/16	1-1/16	3.96	5.00	2.20	2.58	.500
XV500PUL-12	3/4**	1-1/4	1-5/16	3.96	5.25	2.42	2.81	.685
XV500PUL-16	1**	1-1/2	1-9/16	3.96	5.34	2.75	3.08	.875



UL Listed, Tee Handle, Female Pipe Ends XV500PUL-X-04

PART NO.	PIPE THREAD [PTF]	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV500PUL-4-04	1/4	15/16	15/16	1.25	2.50	2.03	1.87	.375
XV500PUL-6-04	3/8	15/16	15/16	1.25	2.50	2.03	1.87	.375
XV500PUL-8-04	1/2*	1-1/16	1-1/16	1.25	2.50	2.20	1.98	.500
XV500PUL-12-04	3/4**	1-1/4	1-5/16	1.25	2.50	2.42	2.20	.685
XV500PUL-16-04	1**	1-1/2	1-9/16	1.25	2.50	2.75	2.48	.875

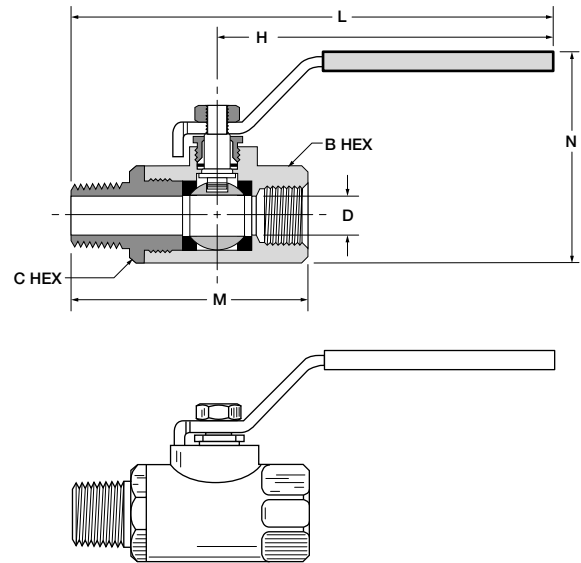


*PTF special short. **PTF special extra short



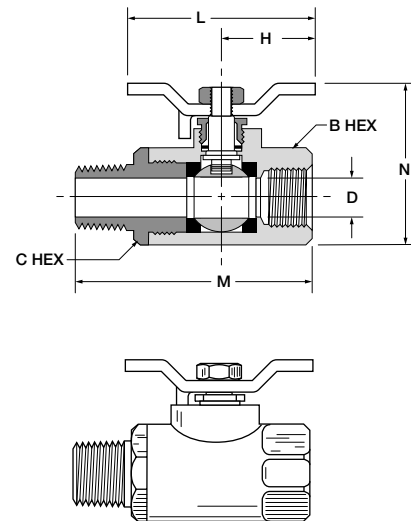
UL Listed, Male-Female Pipe Ends XV501PUL

PART NO.	PIPE THREAD [PTF]	B HEX	C HEX	H	L	M	N	FLOW DIA.D
XV501PUL-4	1/4	15/16	15/16	3.96	5.46	2.59	2.47	.344
XV501PUL-6	3/8	15/16	15/16	3.96	5.46	2.59	2.47	.375
XV501PUL-8	1/2*	1 1/16	1 1/16	3.96	5.75	2.94	2.58	.500
XV501PUL-12	3/4**	1 1/4	1 5/16	3.96	5.83	3.00	2.81	.685
XV501PUL-16	1**	1 1/2	1 9/16	3.96	6.19	3.60	3.08	.875



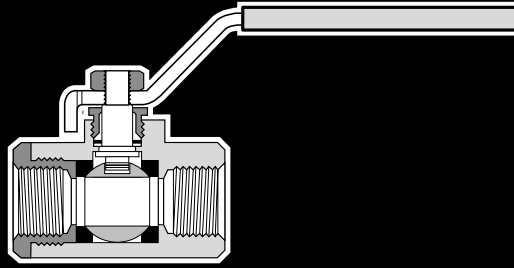
UL Listed, Tee Handle, Male-Female Pipe Ends XV501PUL-X-04

PART NO.	PIPE THREAD [PTF]	B HEX	C HEX	H	L	M	N	FLOW DIA.D
XV501PUL-4-04	1/4	15/16	15/16	1.25	2.50	2.59	1.87	.344
XV501PUL-6-04	3/8	15/16	15/16	1.25	2.50	2.59	1.87	.375
XV501PUL-8-04	1/2*	1 1/16	1 1/16	1.25	2.50	2.94	1.98	.500
XV501PUL-12-04	3/4**	1 1/4	1 5/16	1.25	2.50	3.00	2.20	.685
XV501PUL-16-04	1**	1 1/2	1 9/16	1.25	2.50	3.60	2.48	.875



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*PTF special short. **PTF special extra short



Female/Female Straight Thread Brass Ball Valve Series 506

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This ball valve is available in 1/4" through 2" female straight thread sizes. Parker's ball valve bodies are machined from high quality CA 377 forgings.

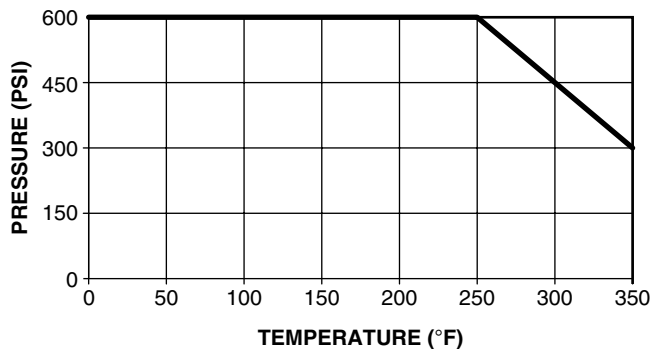
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use on construction equipment, chemical processing, plastic and rubber manufacturing, pumps and specialized industrial machinery requiring total shut-off capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI and 400° F
Vacuum, 29 Inches of Mercury



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	506	P	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle			
Type	506 Female/Female			
Material	P- Brass			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	01-Stainless Steel Ball & Stem 02-Stainless Steel Handle & Nut 03-Stainless Steel Ball, Stem, Handle & Nut 04-Tee Handle 08-Unmarked Yellow Vinyl Handle Cover 21-Oval Handle			

Flow Data

VALVE SIZE	CV
1/4	4.0
3/8	5.8
1/2	12.0
3/4	25.0
1	35.0

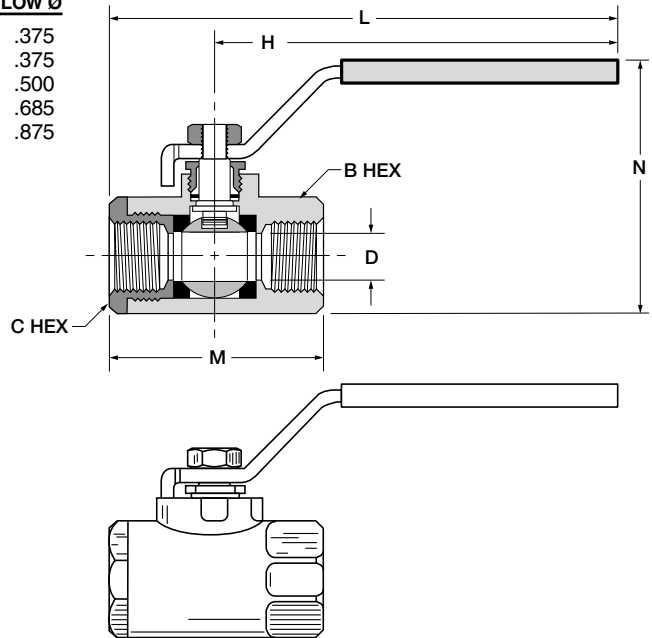
Style	Type	Material	Size
V	506	P	-20
Style	V-Valve		
Type	506 Female/Female		
Material	P- Brass		
Size	20 - 1 1/4" 24 - 1 1/2" 32 - 2"		

Flow Data

VALVE SIZE	CV
1-1/4	57.0
1-1/2	92.0
2	224.0

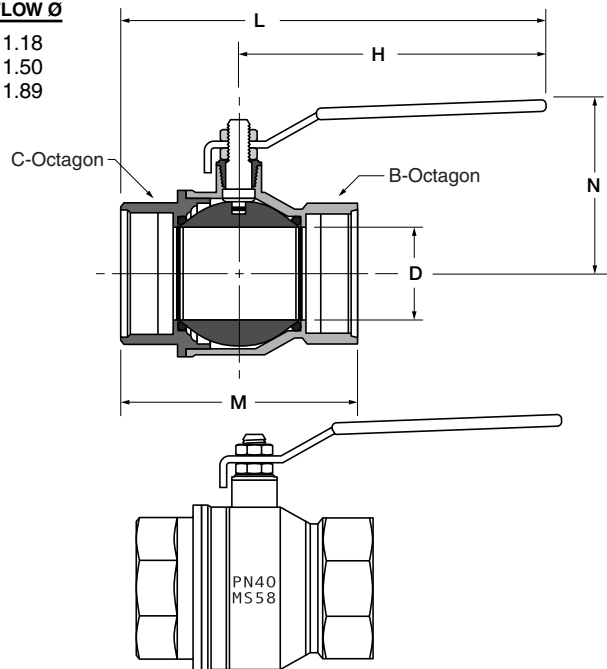
Female/Female, Straight Thread O-Ring Port XV506P

PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV506P-4	7/16-20	15/16	15/16	3.96	5.01	2.20	2.47	.375
XV506P-6	9/16-18	15/16	15/16	3.96	5.07	2.26	2.47	.375
XV506P-8	3/4-16	1-1/16	1-1/16	3.96	5.18	2.42	2.60	.500
XV506P-12	1-1/16-12	1-1/4	1-5/16	3.96	5.87	3.46	2.81	.685
XV506P-16	1-5/16-12	1-1/2	1-9/16	3.96	5.96	3.68	3.08	.875

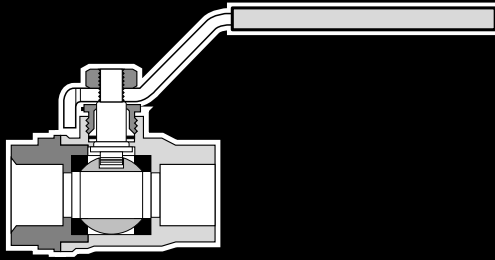


Female/Female, Straight Thread O-Ring Port XV506P-20, XV506P-24, XV506P-32

PART NO.	STRT. THREAD	B OCT	C OCT	H	L	M	N	D FLOW Ø
XV506P-20	1 5/8-12	1.93	1.93	6.22	8.05	3.66	3.01	1.18
XV506P-24	1 7/8-12	2.13	2.13	6.22	8.23	4.02	3.25	1.50
XV506P-32	2 1/2-12	2.85	2.85	6.22	8.60	4.76	3.52	1.89



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Solder End Ball Valves Series 509

Advantages

Parker forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. The Parker series 509 is designed to be soft soldered into lines without disassembly. This allows the valve to be installed without disturbing the seats and seals in any way.

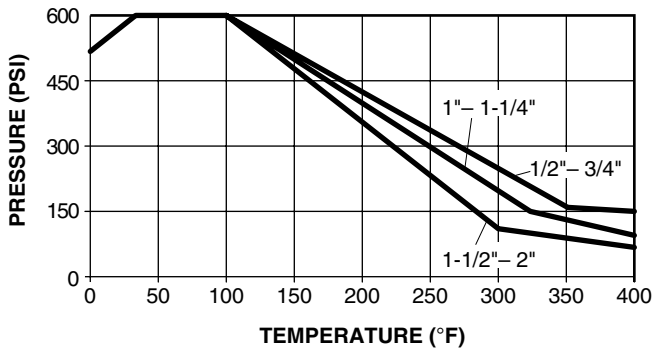
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

These valves are ideal for water and air service lines on capital equipment and plant design plumbing that require total shut-off capability. Use with ASTM B88 copper water tubing.

Working Pressure and Temperature

Saturated steam service up to 150 PSI and 400° F. Solder temperature not to exceed 470°F.



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Joining Material	Melting Range Degrees F	Working Temp. Degrees F	Maximum Working Pressure (PSI)	
			Size 1/2"-1"	Size 1-1/4"-2"
50-50 Tin-Lead Solder	361-421	100	200	175
		150	150	125
		200	100	90
		250	85	75
95-5 Tin Antimony Solder	450-464	100	400	400
		150	400	350
		200	300	250
		250	200	175

Style	Type	Material	Size
V	509	P	-4
Style	V-Valve		
Type	509-Solder Ends		
Material	P- Brass		
Size	8-1/2" 12-3/4" 16-1" 20-1 1/4" 24-1 1/2" 32-2"		

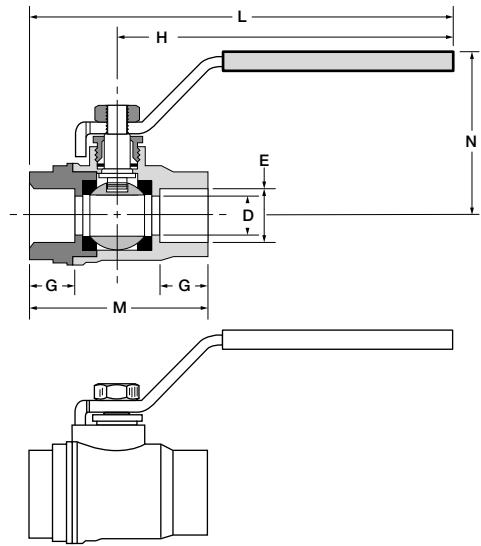
Flow Data

VALVE SIZE	CV
3/4	13.0
1	25.0
1-1/4	36.0
1-1/2	61.0
2	87.0

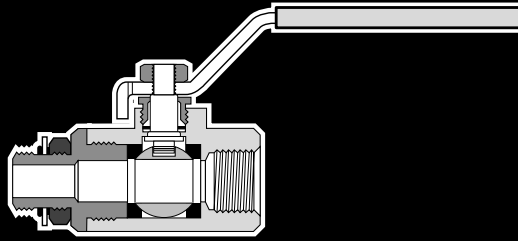


Solder Cup Ends XV509P

PART NO.	TUBE SIZE	E	G	H	L	M	N	FLOW DIA. D
XV509P-8	1/2	0.629	0.49	3.94	5.06	2.07	1.65	0.39
XV509P-12	3/4	0.880	0.75	3.94	5.25	2.64	1.73	0.59
XV509P-16	1	1.130	0.91	4.72	6.35	3.27	2.09	0.79
XV509P-20	1-1/4	1.380	0.96	4.72	6.59	3.74	2.24	0.98
XV509P-24	1-1/2	1.630	1.10	6.22	8.43	4.41	3.03	1.26
XV509P-32	2	2.130	1.34	6.22	8.90	5.37	3.29	1.57



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Male/Female Straight Thread Ball Valves Series 510

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This economical ball valve is available in 1/4", 3/8", 1/2", 5/8", 3/4" and 1" male/female straight thread sizes. Parker's ball valve bodies are machined from high quality CA 377 forgings.

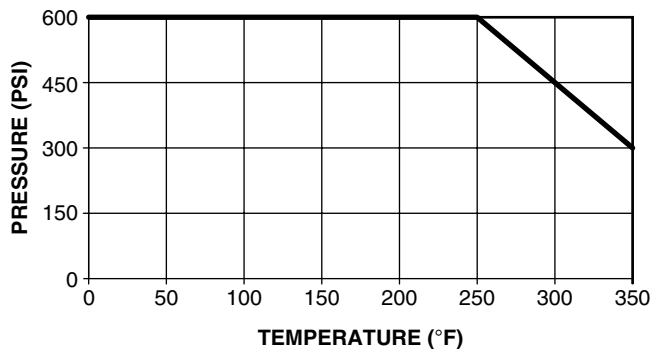
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use on construction equipment, chemical processing, plastic and rubber manufacturing, pumps and specialized industrial machinery requiring total shut-off capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI and 400° F
 Vacuum, 29 Inches of Mercury
 Vented up to 250 PSI



Operating Instructions

Quarter turn is "ON" or "OFF".
 (Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	510	P	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle VV-Valve, Vented VVP-Valve, Vented, Padlocking Handle			
Type	510 Male/Female Straight Thread O-Ring			
Material	P- Brass			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	01-Stainless Steel Ball & Stem 02-Stainless Steel Handle & Nut 03-Stainless Steel Ball, Stem, Handle & Nut 04-Tee Handle 08-Unmarked Yellow Vinyl Handle Cover 21-Oval Handle			

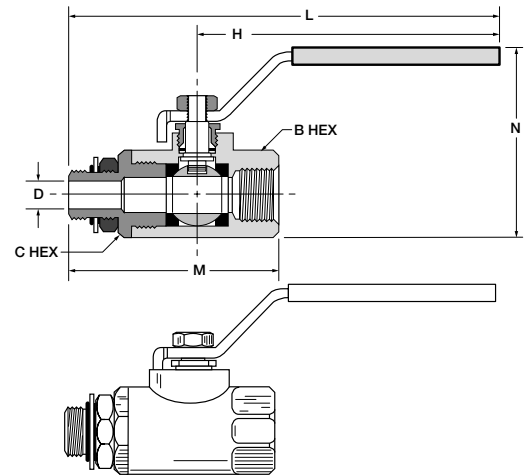
Flow Data

VALVE SIZE	CV
1/4	0.8
3/8	2.1
1/2	5.3
5/8	7.6
3/4	13.0
1	33.0



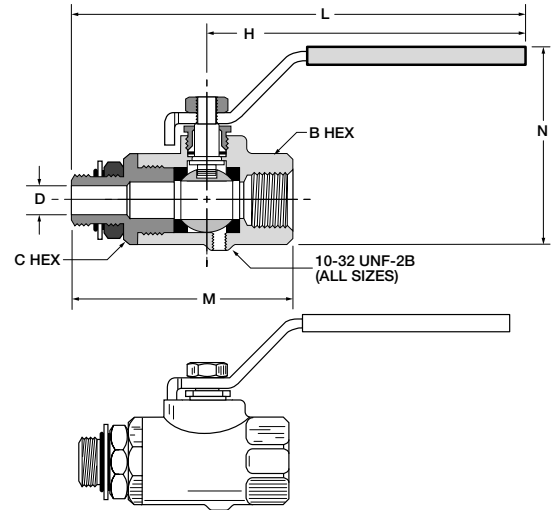
Male-Female, Straight Thread O-Ring Port XV510P

PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV510P-4	7/16-20	15/16	15/16	3.96	5.61	2.85	2.47	.188
XV510P-6	9/16-18	15/16	15/16	3.96	5.68	2.92	2.47	.281
XV510P-8	3/4-16	1-1/16	1-1/16	3.96	5.88	3.17	2.58	.422
XV510P-10	7/8-14	1-1/4	1-5/16	3.96	6.31	3.90	2.81	.500
XV510P-12	1-1/16-12	1-1/4	1-5/16	3.96	6.44	4.03	2.81	.656
XV510P-16	1-5/16-12	1-1/2	1-9/16	3.96	6.56	4.28	3.08	.875



Vented, Straight Thread O-Ring Port XVV510P

PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVV510P-4	7/16-20	15/16	15/16	3.96	5.61	2.85	2.47	.188
XVV510P-6	9/16-18	15/16	15/16	3.96	5.68	2.92	2.47	.281
XVV510P-8	3/4-16	1-1/16	1-1/16	3.96	5.88	3.17	2.58	.422
XVV510P-10	7/8-14	1-1/4	1-5/16	3.96	6.31	3.90	2.81	.500
XVV510P-12	1-1/16-12	1-1/4	1-5/16	3.96	6.44	4.03	2.81	.656

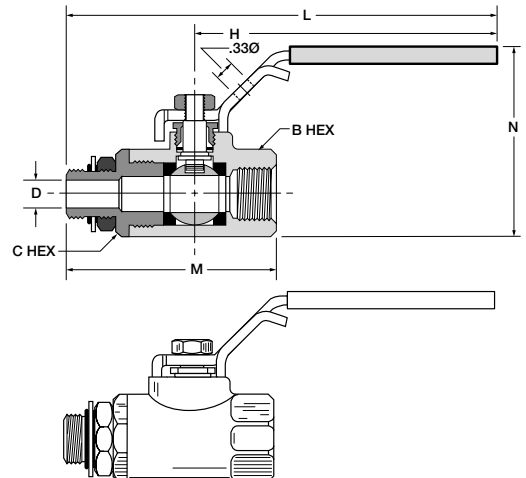


J

Locking Handle, Straight Thread O-Ring Port XVP510P

PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVP510P-4	7/16-20	15/16	15/16	3.96	5.61	2.85	2.47	.188
XVP510P-6	9/16-18	15/16	15/16	3.96	5.68	2.92	2.47	.281
XVP510P-8	3/4-16	1-1/16	1-1/16	3.96	5.88	3.17	2.58	.422
XVP510P-10	7/8-14	1-1/4	1-5/16	3.96	6.31	3.90	2.81	.500
XVP510P-12	1-1/16-12	1-1/4	1-5/16	3.96	6.44	4.03	2.81	.656

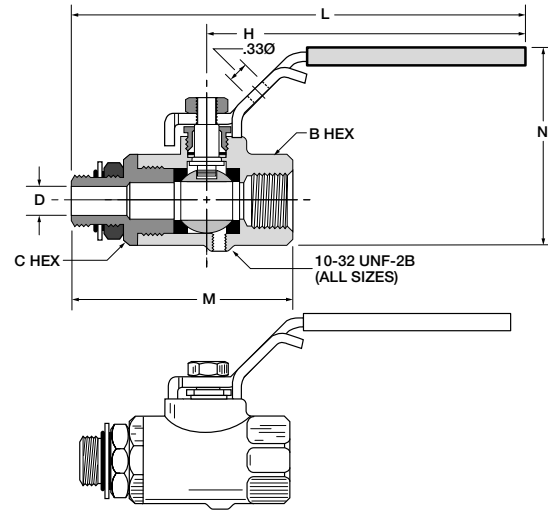
For use with 5/16" Ø shank lock



OSHA 29 CFR Part 1910 Vented, Locking Handle, Male-Female, Straight Thread O-Ring Port XVVP510P

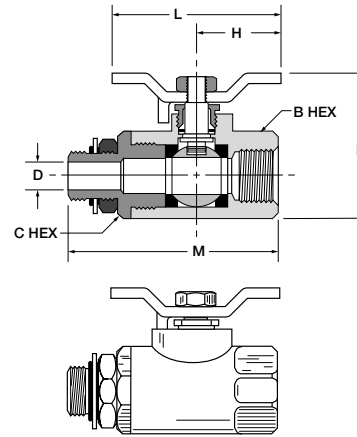
PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVVP510P-4	7/16-20	15/16	15/16	3.96	5.61	2.85	2.47	.188
XVVP510P-6	9/16-18	15/16	15/16	3.96	5.68	2.92	2.47	.281
XVVP510P-8	3/4-16	1-1/16	1-1/16	3.96	5.88	3.17	2.58	.422
XVVP510P-10	7/8-14	1-1/4	1-5/16	3.96	6.31	3.90	2.81	.500
XVVP510P-12	1-1/16-12	1-1/4	1-5/16	3.96	6.44	4.03	2.81	.656

For use with 5/16" Ø shank lock



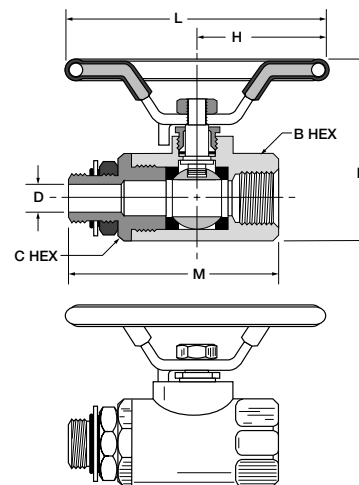
Tee Handle, Straight Thread O-Ring Port XV510P-X-04

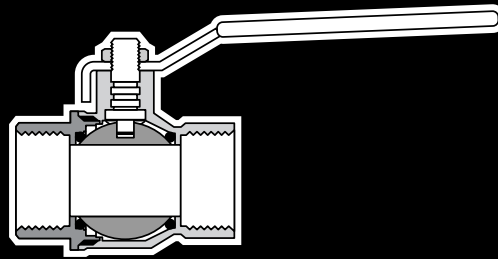
PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV510P-4-04	7/16-20	15/16	15/16	1.25	2.50	2.85	1.87	.188
XV510P-6-04	9/16-18	15/16	15/16	1.25	2.50	2.92	1.87	.281
XV510P-8-04	3/4-16	1-1/16	1-1/16	1.25	2.50	3.17	1.98	.422
XV510P-10-04	7/8-14	1-1/4	1-5/16	1.25	2.50	3.90	2.20	.500
XV510P-12-04	1-1/16-12	1-1/4	1-5/16	1.25	2.50	4.03	2.20	.656
XV510P-16-04	1-5/16-12	1-1/2	1-9/16	1.25	2.50	4.28	2.48	.875



Oval Handle, Straight Thread O-Ring Port XV510P-X-21

PART NO.	STRT. THREAD	B & C HEX	H	L	M	N	D FLOW Ø
XV510P-4-21	7/16-20	15/16	1.74	3.49	2.85	2.38	.188
XV510P-6-21	9/16-18	15/16	1.74	3.49	2.92	2.38	.281
XV510P-8-21	3/4-16	1 1/16	1.74	3.49	3.17	2.49	.422





Brass Ball Valves Series 520

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Full flow design assures maximum system efficiency. Highly inert PTFE seats provide resistance to chemical corrosion. Two Viton o-rings at the stem provide maximum safety with no maintenance. The blow-out proof stem, chrome plated brass ball and a specially designed handle enable increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified, assuring high quality engineering and reliability. This economical ball valve is available in female pipe sizes.

Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as shutoffs for highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

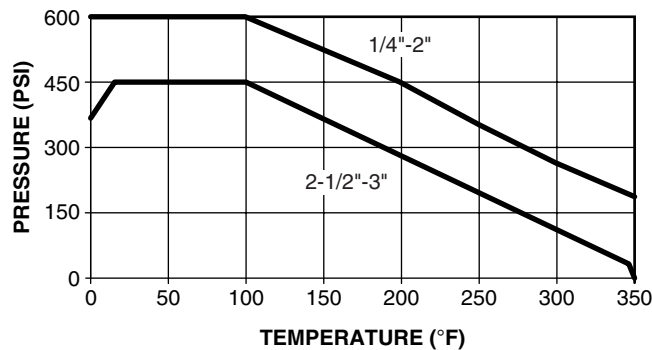
Working Pressure and Temperature

600 PSI 0° F to +350° F
 Saturated steam service up to 150 PSI and 350° F
 Vacuum, 29 Inches of Mercury

Style	Type	Material	Size
V	520	P	-4
Style	V-Valve		
Type	520-Female/Female NPT Ports		
Material	P- Brass		
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"	20-1 1/4" 24-1 1/2" 32-2"	

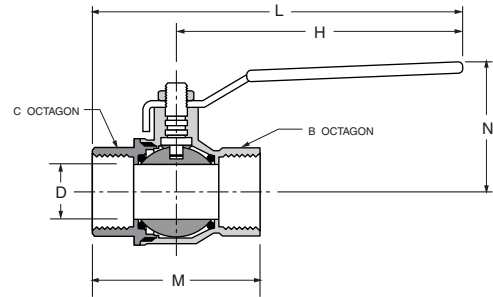
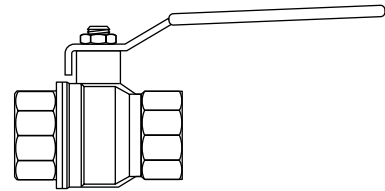
Operating Instructions

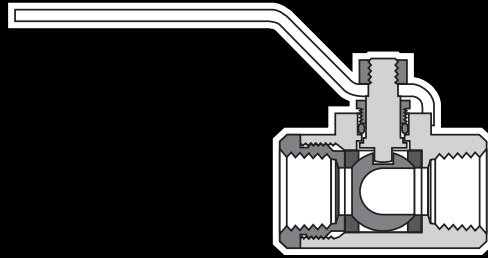
Quarter turn is "ON" or "OFF".
 (Provides positive stop action for full shutoff.)



Brass Ball Valve XV520P

PART NO.	PIPE THREAD	B OCTAGON	C OCTAGON	H	L	M	N	D FLOW Ø
XV520P-4	1/4-18	.79	.79	3.94	4.83	1.77	1.50	.310
XV520P-6	3/8-18	.79	.79	3.94	4.83	1.77	1.50	.400
XV520P-8	1/2-14	.98	.98	3.94	5.10	2.32	1.69	.600
XV520P-12	3/4-14	1.22	1.22	4.72	5.98	2.52	1.97	.790
XV520P-16	1-11.5	1.57	1.57	4.72	6.32	3.19	2.13	1.000
XV520P-20	1-1/4	1.93	1.93	6.22	8.05	3.66	2.82	1.250
XV520P-24	1-1/2	2.13	2.13	6.22	8.23	4.02	3.06	1.570
XV520P-32	2	2.69	2.69	6.22	8.58	4.76	3.33	2.000
XV520P-40	2-1/2	3.35	3.35	10.04	13.11	6.14	5.20	2.520
XV520P-48	3	3.89	3.89	10.04	13.52	6.97	5.51	3.000





Brass Ball Valves

Series 533 3-Way Diversion / Series 540 4-Way Diversion

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This ball valve is available with female PTF ports. Parker's ball valve bodies are machined from high quality CA 377 forgings.

Applications

Designed for applications requiring flow diversion making tank selection and fluid transfer easy.

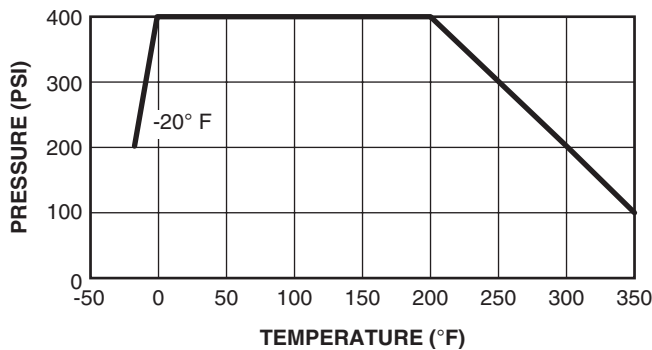
For use on construction equipment, chemical processing, pumps and specialized industrial machinery.

NOTE: Diversion valves do not have off positions, therefore, the center port can not be used for shut-off purposes.

Working Pressure and Temperature

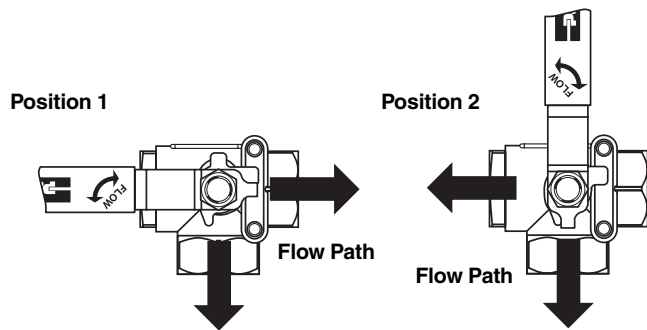
400 PSI and 250° F

Vacuum to 29 inches Hg



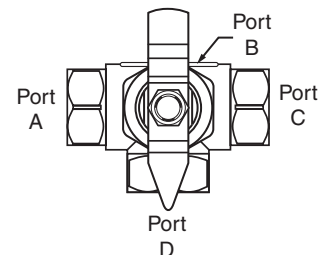
Style	Type	Material	Size	Options
V	533	P	-4	-00
Style	V-Valve			
Type	533 3-Way Diversion, 540 4-Way Diversion			
Material	P-Brass			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	02-Stainless Steel Handle & Nut 08-Unmarked Yellow Vinyl Handle Cover			

XV533P Handle Positions



XV540P Handle Positions

Pointer Over	Flow Path
A	A to E
B	Closed
C	C to E
D	D to E

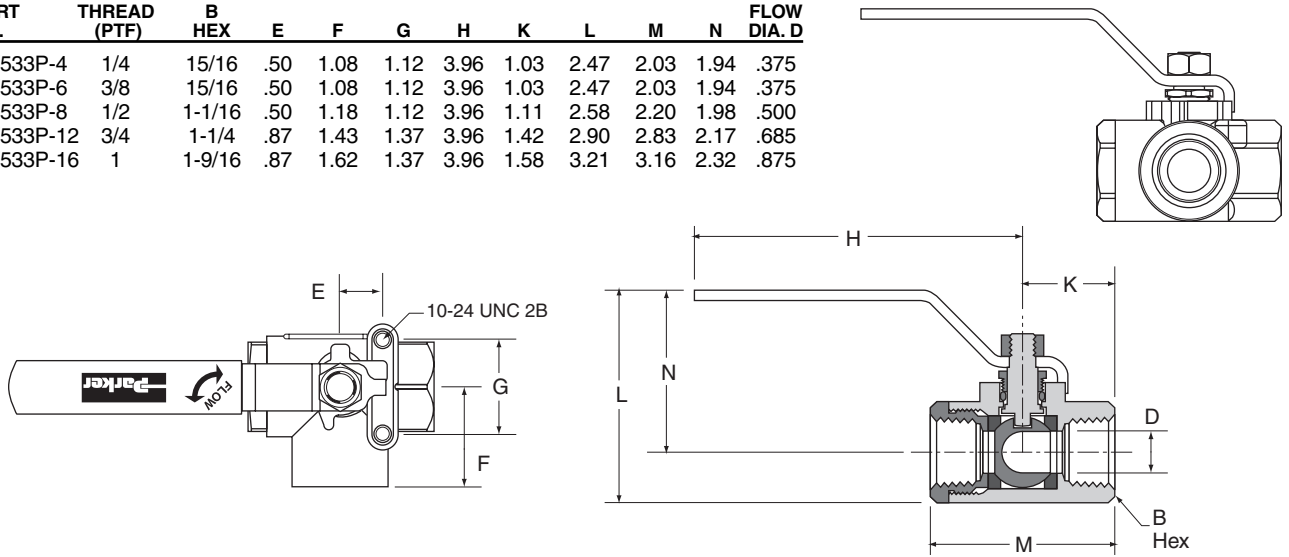


Operating Instructions

Quarter turn diverts flow from center port to either left or right port.

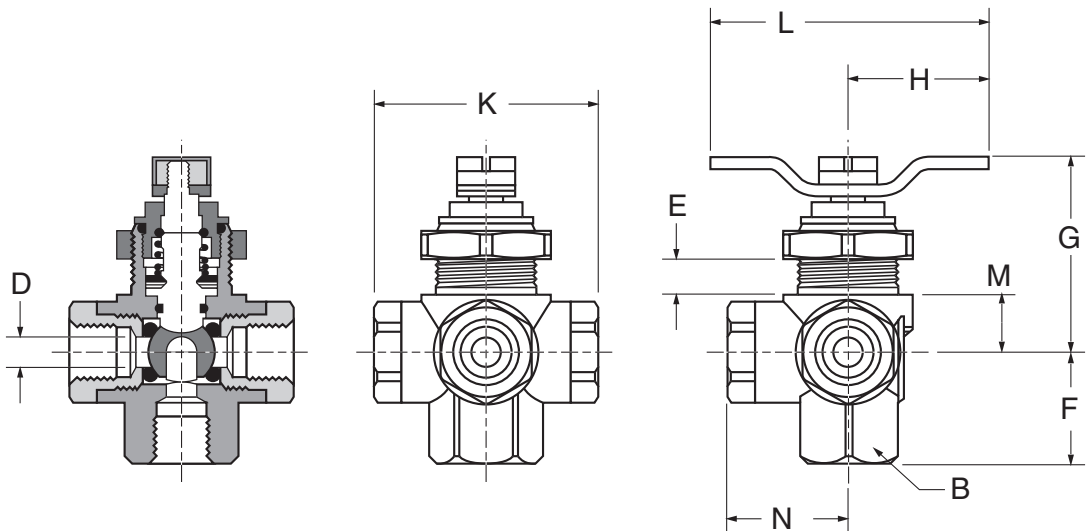
Female-Female-Female Pipe Ends XV533P

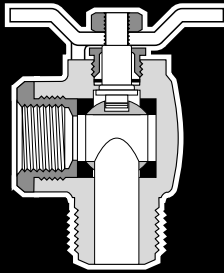
PART NO.	PIPE THREAD (PTF)	B HEX	E	F	G	H	K	L	M	N	FLOW DIA. D
XV533P-4	1/4	15/16	.50	1.08	1.12	3.96	1.03	2.47	2.03	1.94	.375
XV533P-6	3/8	15/16	.50	1.08	1.12	3.96	1.03	2.47	2.03	1.94	.375
XV533P-8	1/2	1-1/16	.50	1.18	1.12	3.96	1.11	2.58	2.20	1.98	.500
XV533P-12	3/4	1-1/4	.87	1.43	1.37	3.96	1.42	2.90	2.83	2.17	.685
XV533P-16	1	1-9/16	.87	1.62	1.37	3.96	1.58	3.21	3.16	2.32	.875



Female-Female-Female-Female Pipe Ends XV540P

PART NO.	PIPE THREAD (PTF)	B HEX	E	F	G	H	K	L	M	N	FLOW DIA. D
XV540P-4	1/4	7/8	.32	1.00	1.76	1.25	1.98	2.49	.52	1.07	.250





90° Ball Valves Series 590/591

Advantages

Parker's forged body valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Parker also provides a blow-out proof stem and chrome plated brass ball on all series 590/591 valves. Parker's 590/591 series valve bodies are machined from high quality CA377 forgings.

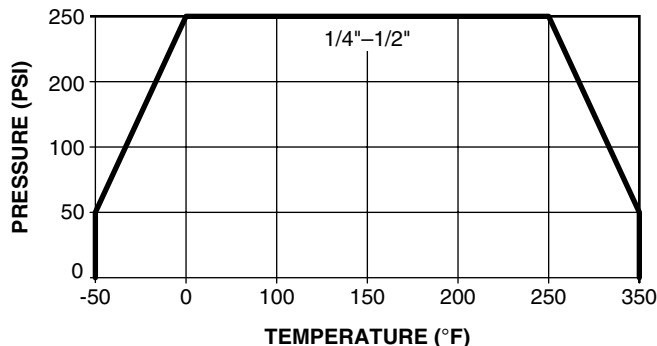
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shut-off capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI and 400° F
Vacuum, 29 Inches of Mercury



Operating Instructions

Quarter turn is "on" or "off".
(Provides positive stop action for full shut-off.)

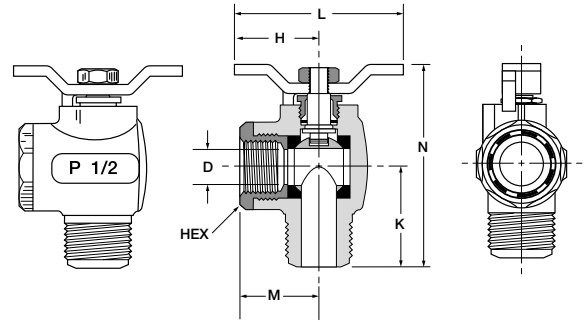
NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	590	P	-8	-00
Style	V-Valve			
Type	590-90° Male/Female 591-90° Male/Male			
Material	P- Brass			
Size	4-1/4" 6-3/8" 8-1/2"			
Options	04-Lever Handle 08-Unmarked Yellow Vinyl Handle Cover			

Note: 90° Ball Valve Series 590/591 has a tee handle as standard. A Lever Handle is available as option 04.

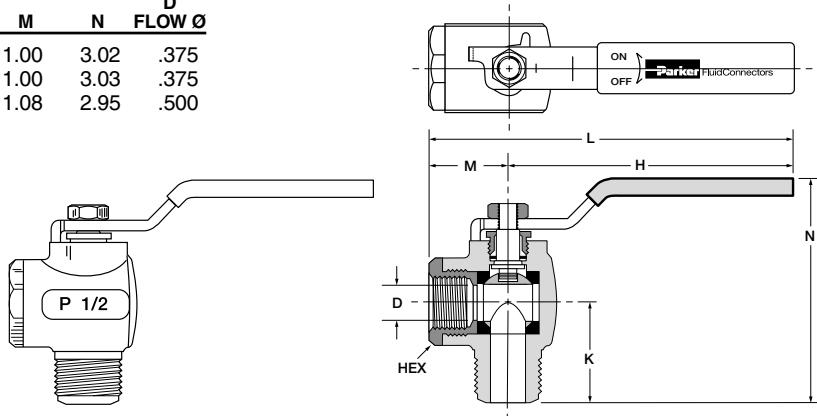
90° Flow, Male-Female Pipe Ends XV590P

PART NO.	PIPE THREAD	PTF HEX	H	K	L	M	N	D FLOW Ø
XV590P-4	1/4	15/16	1.25	1.08	2.50	1.00	2.42	.375
XV590P-6	3/8	15/16	1.25	1.09	2.50	1.00	2.43	.375
XV590P-8	1/2*	1-1/16	1.25	1.30	2.50	1.08	2.67	.500



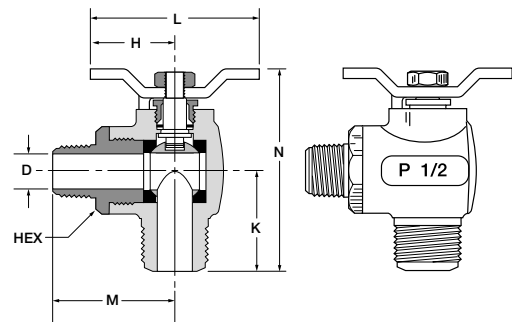
Lever Handle, 90° Flow, Male-Female Pipe Ends XV590P-X-04

PART NO.	PIPE THREAD	PTF HEX	H	K	L	M	N	D FLOW Ø
XV590P-4-04	1/4	15/16	3.96	1.08	4.96	1.00	3.02	.375
XV590P-6-04	3/8	15/16	3.96	1.09	4.96	1.00	3.03	.375
XV590P-8-04	1/2*	1-1/16	3.80	1.30	4.88	1.08	2.95	.500



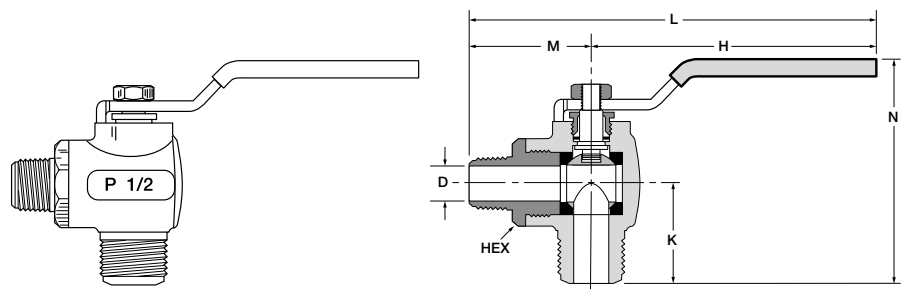
90° Flow, Male-Male Pipe Ends XV591P

PART NO.	PIPE THREAD	HEX	H	K	L	M	N	D FLOW Ø
XV591P-4	1/4	15/16	1.25	1.08	2.50	1.56	2.42	.375
XV591P-6	3/8	15/16	1.25	1.09	2.50	1.56	2.43	.375
XV591P-8	1/2	1-1/16	1.25	1.30	2.50	1.84	2.67	.500



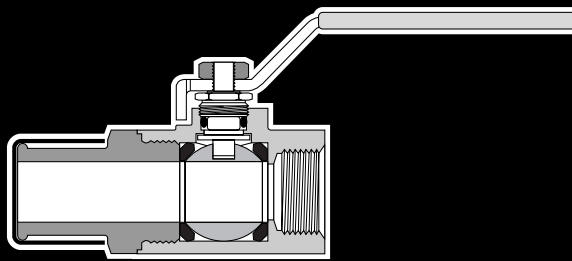
Lever Handle, 90° Flow, Male-Male Pipe Ends XV591P-X-04

PART NO.	PIPE THREAD	HEX	H	K	L	M	N	D FLOW Ø
XV591P-4-04	1/4	15/16	3.96	1.08	5.52	1.56	3.02	.375
XV591P-6-04	3/8	15/16	3.96	1.09	5.52	1.56	3.03	.375
XV591P-8-04	1/2	1-1/16	3.80	1.30	5.64	1.84	2.95	.500



*PTF special short





Brass Hose Barb Ball Valves Series 500HB

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Optimum flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. The hose barb end configuration eliminates as fitting and possible leak path. Parker also provides a blow-out proof stem, chrome plated brass ball and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. Parker's ball valve bodies are machined from high quality CA 377 forgings.

Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle. For use on construction equipment, chemical processing, plastic and rubber manufacturing, pumps, power units, and specialized industrial machinery requiring total shut-off capability.

Working Pressure and Temperature

150 psi WOG and 350° F
Saturated steam service up to 150 PSI and 350° F
Vacuum, 29 Inches of Mercury

Operating Instructions

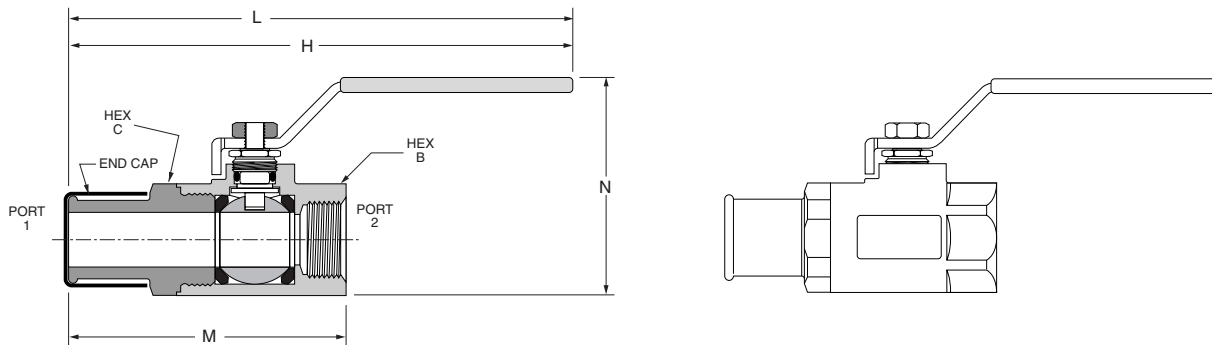
Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

Note: Periodically check the adjustable packing nut and tighten as required.

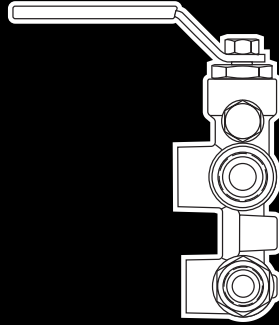
Brass Hose Barb Ball Valve XV500P-HB

PART NO.	PORT 1	PORT 2 PTF	B HEX	C HEX	H	L	M	N	FLOW DIA. D
XV500P-12-16HB	1	3/4*	1-1/4	1-5/16	3.96	6.25	3.41	2.81	.685

*PTF special extra short



J



Brass Ball Valves Series 600 Six Port Diversion

Advantages

Parker's forged body ball valve provides extended service life and resists failure caused by severe temperature applications. Full flow design assures maximum system efficiency. Highly inert PTFE seats and seals provide resistance to chemical corrosion. Viton o-rings seal between the upper and lower halves protect against cross-contamination of fluids. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This ball valve is available with female PTF ports. Parker's ball valve bodies are machined from high quality CA 377 forgings.

Applications

This valve can be used on applications where a fluid return or spillback is required.

For use on construction equipment, chemical processing, diesel engines, filter banks, pumps and specialized industrial machinery.

NOTE: Diversion valves do not have off positions, therefore, the center ports can not be used for shut-off purposes.

Working Pressure and Temperature

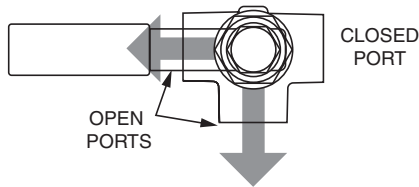
150 PSI and 250° F
Vacuum, 29 Inches of Mercury

Operating Instructions

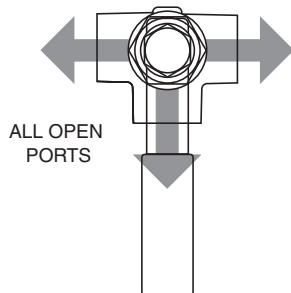
Position handle in quarter-turn increments to desired flow configuration. Detent mechanism assists in accurately positioning handle.

Series 600 Handle Positions

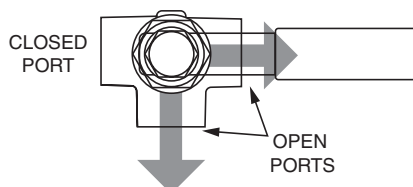
Position 1



Position 2

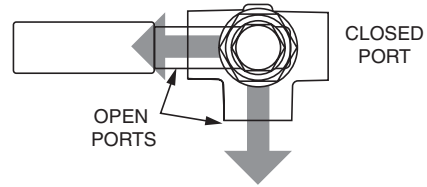


Position 3

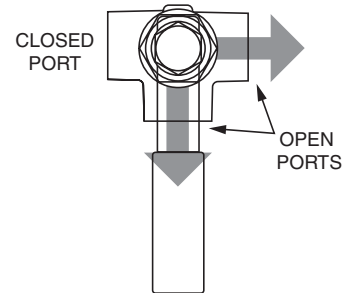


Series 633 Handle Positions

Position 1

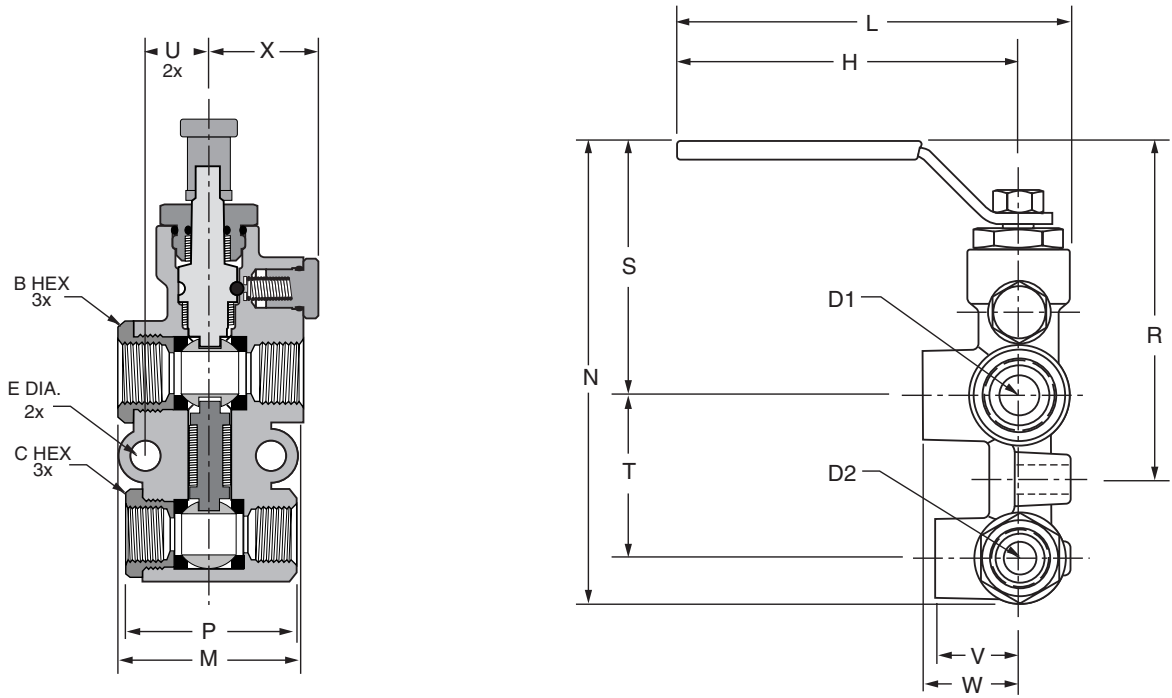


Position 2



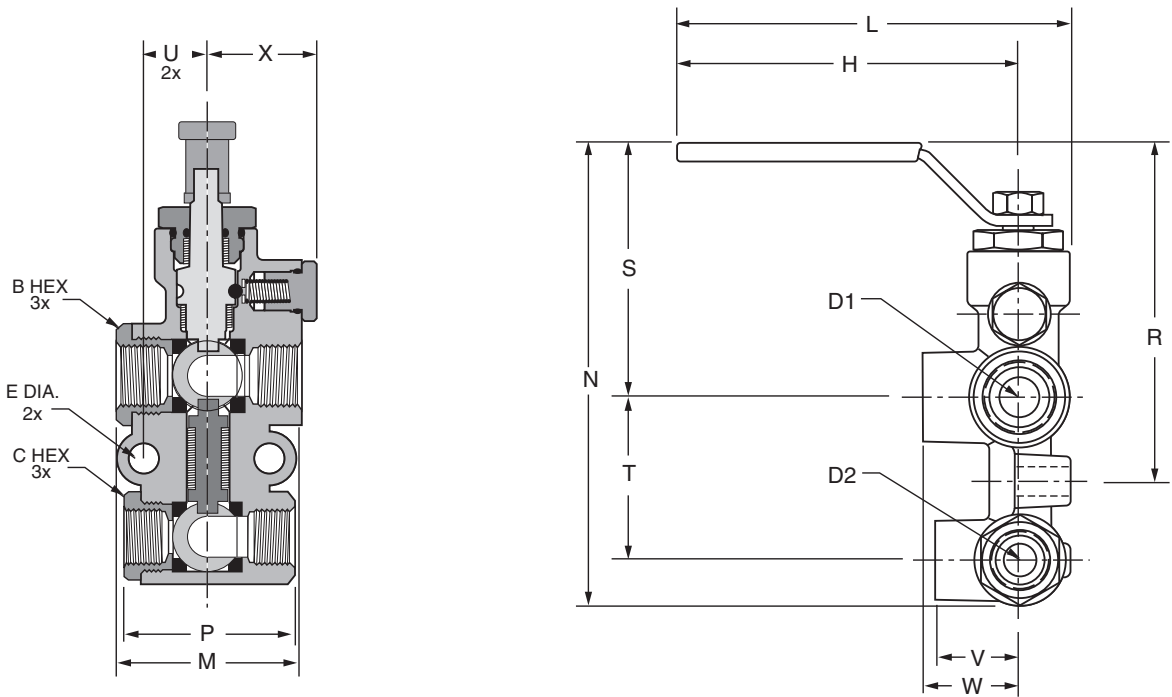
Six Port Diversion Brass Valve XV600P

PART NO.	PIPE THD. TOP PORT SPL SHORT	PIPE THD. BOTTOM PORT PTF	B HEX	C HEX	D1 FLOW	D2 FLOW	E	H	L	M	N	P	R	S	T	U	V	W	X
XV600P-8-6	1/2	3/8	1 1/16	15/16	.500	.375	.34	3.96	4.56	2.20	5.43	2.03	3.98	2.99	1.91	.73	.98	1.12	1.31

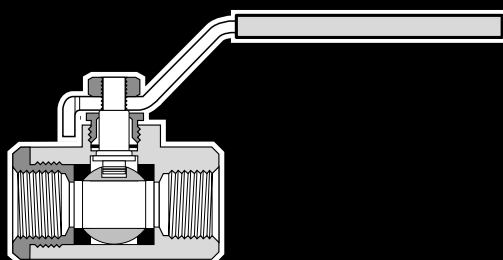


Six Port Diversion Brass Valve XV633P

PART NO.	PIPE THD. TOP PORT SPL SHORT	PIPE THD. BOTTOM PORT PTF	B HEX	C HEX	D1 FLOW	D2 FLOW	E	H	L	M	N	P	R	S	T	U	V	W	X
XV633P-8-6	1/2	3/8	1 1/16	15/16	.500	.375	.34	3.96	4.56	2.20	5.43	2.03	3.98	2.99	1.91	.73	.98	1.12	1.31



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Carbon Steel Ball Valves Series 500CS/502CS

Advantages

Parker's carbon steel ball valves have a hex shaped body for easy installation. Highly inert PTFE seats and seals combined with an external phosphate coating provide superior corrosion resistance. Parker also provides a blow-out proof stem and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This economical ball valve is available in female pipe sizes.

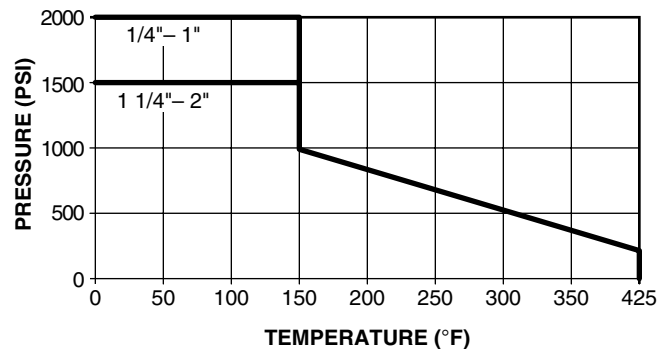
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Hydraulic and general industrial applications on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	500	CS	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle			
Type	500-Female/Female PTF Ports			
Material	CS- Carbon Steel			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			
Options	04-Tee Handle 21-Oval Handle			

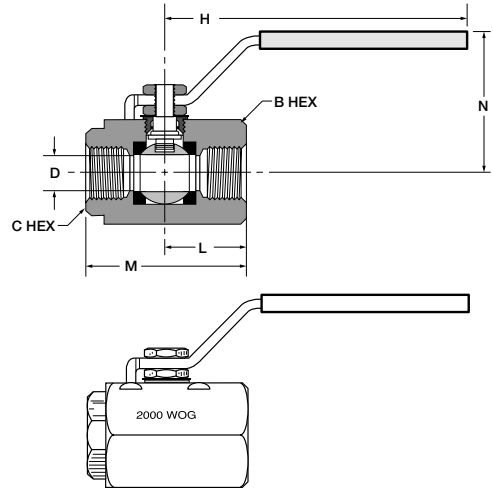
Style	Type	Material	Size	Options
V	502	CS	-20	-00
Style	V-Valve VP-Valve, Padlocking Handle			
Type	502-Female/Female PTF Ports			
Material	CS- Carbon Steel			
Size	20-1 1/4" 24-1 1/2" 32-2"			
Options	04-Tee Handle 21-Oval Handle			

Flow data

VALVE SIZE	CV
1/4	6.0
3/8	12.0
1/2	15.0
3/4	23.0
1	36.0
1 1/4	44.0
1 1/2	64.0
2	114.0

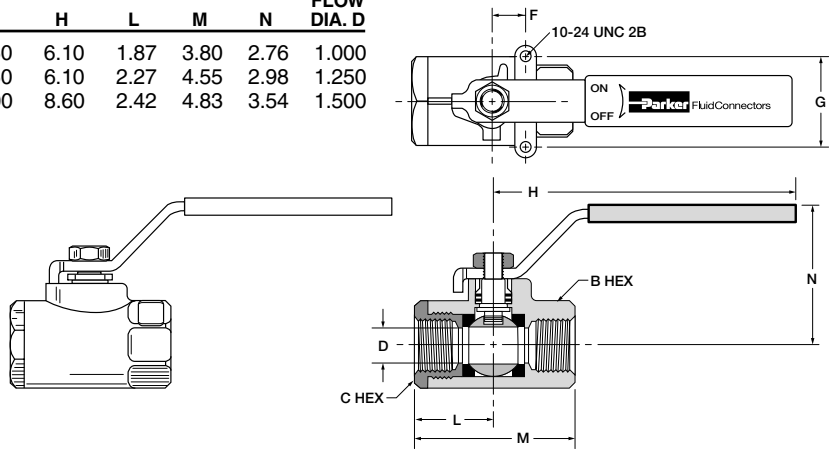
Female-Female Pipe Ends XV500CS

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV500CS-4	1/4	1-1/16	15/16	3.78	1.00	2.00	1.63	.400
XV500CS-6	3/8	1-1/16	15/16	3.78	1.00	2.00	1.63	.400
XV500CS-8	1/2	1-1/4	1-1/16	3.78	1.25	2.37	1.73	.540
XV500CS-12	3/4	1-5/8	1-3/8	5.10	1.50	2.90	2.08	.680
XV500CS-16	1	2	1-5/8	5.10	1.76	3.41	2.30	.880



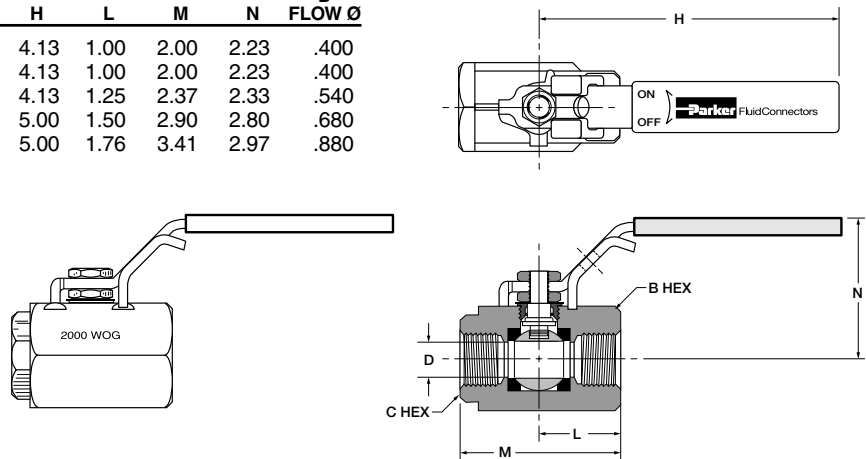
Female-Female Pipe Ends, Panel Mount XV502CS

PART NO.	PIPE THREAD	B HEX	C HEX	F	G	H	L	M	N	FLOW DIA. D
XV502CS-20	1-1/4	2	2-1/4	.94	1.50	6.10	1.87	3.80	2.76	1.000
XV502CS-24	1-1/2	2-5/16	2-1/2	.94	1.50	6.10	2.27	4.55	2.98	1.250
XV502CS-32	2	2-3/4	3	1.03	2.00	8.60	2.42	4.83	3.54	1.500



Locking Handle, Female Pipe Ends XVP500CS

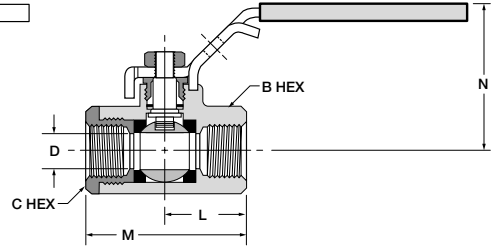
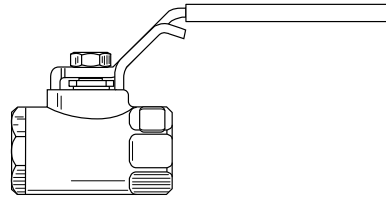
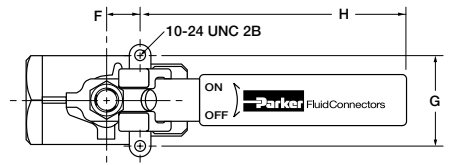
PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVP500CS-4	1/4	1-1/16	15/16	4.13	1.00	2.00	2.23	.400
XVP500CS-6	3/8	1-1/16	15/16	4.13	1.00	2.00	2.23	.400
XVP500CS-8	1/2	1-1/4	1-1/16	4.13	1.25	2.37	2.33	.540
XVP500CS-12	3/4	1-5/8	1-3/8	5.00	1.50	2.90	2.80	.680
XVP500CS-16	1	2	1-5/8	5.00	1.76	3.41	2.97	.880



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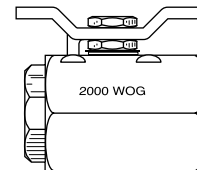
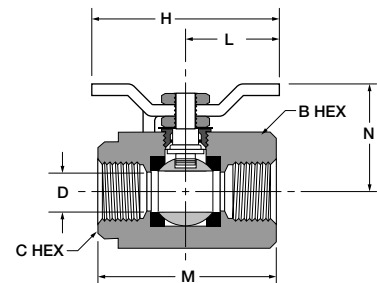
Locking Handle, Female Pipe Ends, Panel Mount XVP502CS

PART NO.	PIPE THREAD	B HEX	C HEX	F	G	H	L	M	N	FLOW DIA. D
XVP502CS-20	1-1/4	2	2-1/4	.94	1.50	7.50	1.87	3.80	3.15	1.000
XVP502CS-24	1-1/2	2-5/16	2-1/2	.94	1.50	7.50	2.27	4.55	3.37	1.250
XVP502CS-32	2	2-3/4	3	1.03	2.00	8.75	2.42	4.83	3.46	1.50



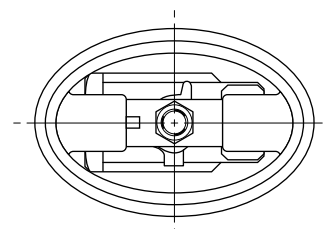
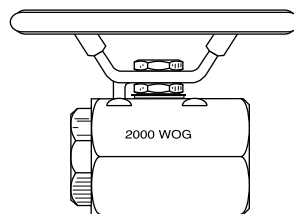
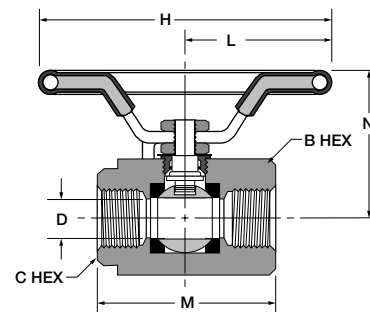
Tee Handle, Female Pipe Ends XV500CS-X-04

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV500CS-4-04	1/4	1-1/16	15/16	2.16	1.08	2.00	1.41	.400
XV500CS-6-04	3/8	1-1/16	15/16	2.16	1.08	2.00	1.41	.400
XV500CS-8-04	1/2	1-1/4	1-1/16	2.90	1.45	2.37	1.66	.540
XV500CS-12-04	3/4	1-5/8	1-3/8	3.63	1.81	2.90	2.06	.680
XV500CS-16-04	1	2	1-5/8	3.63	1.81	3.41	2.23	.880



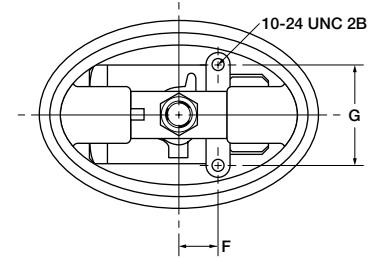
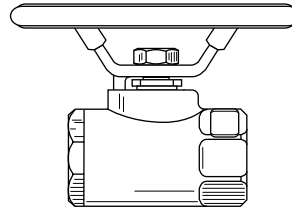
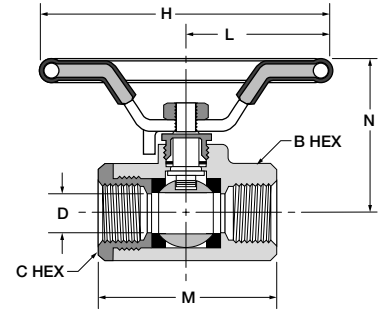
Oval Handle, Female Pipe Ends XV500CS-X-21

PART NO.	PIPE THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV500CS-4-21	1/4	1-1/16	15/16	3.50	1.00	2.00	1.66	.400
XV500CS-6-21	3/8	1-1/16	15/16	3.50	1.00	2.00	1.66	.400
XV500CS-8-21	1/2	1-1/4	1-1/16	3.50	1.13	2.37	1.76	.540
XV500CS-12-21	3/4	1-5/8	1-3/8	5.00	1.46	2.90	2.13	.680
XV500CS-16-21	1	2	1-5/8	5.00	1.58	3.41	2.29	.880

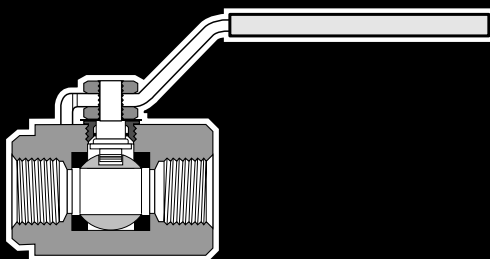


Oval Handle, Female Pipe Ends, Panel Mount XV502CS-X-21

PART NO.	PIPE THREAD	B HEX	C HEX	F	G	H	L	M	N	FLOW DIA. D
XV502CS-20-21	1-1/4	2	2-1/4	.94	1.50	5.07	2.53	3.80	3.04	1.000
XV502CS-24-21	1-1/2	2-5/16	2-1/2	.94	1.50	5.07	2.53	4.55	3.26	1.250
XV502CS-32-21	2	2-3/4	3	1.03	2.00	6.50	3.25	4.83	3.57	1.500



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Carbon Steel Ball Valves Series 506CS

Advantages

Parker's carbon steel ball valves have a hex shaped body for easy installation. Highly inert PTFE seats and seals combined with an external phosphate coating provide superior corrosion resistance. Parker also provides a blow-out proof stem and a specially designed handle enabling increased turning leverage for ease of opening and closing. Parker's ball valve can be readily identified assuring high quality engineering and reliability. This economical ball valve is available in female SAE straight thread sizes. The full flow design allows for minimum flow restriction.

Applications

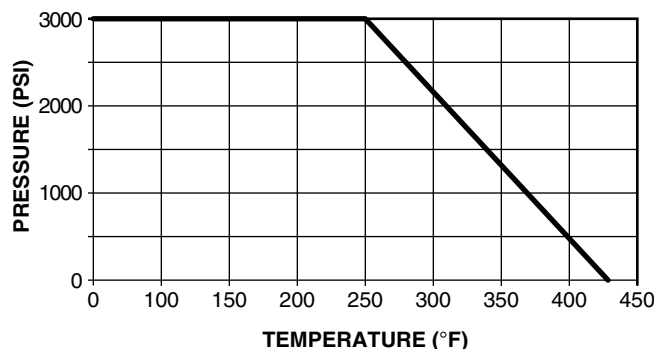
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Hydraulic and general industrial applications on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperature

Saturated steam service up to 150 PSI

Vacuum, 29 inches of Mercury



Operating Instructions

Quarter turn is "ON" or "OFF".

(Provides positive stop action for full shutoff.)

Style	Type	Material	Size
V	506	CS	-4
Style	V-Valve VP-Valve, Padlocking Handle		
Type	506-Female/Female SAE Straight Thread Ports		
Material	CS-Carbon Steel		
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"		

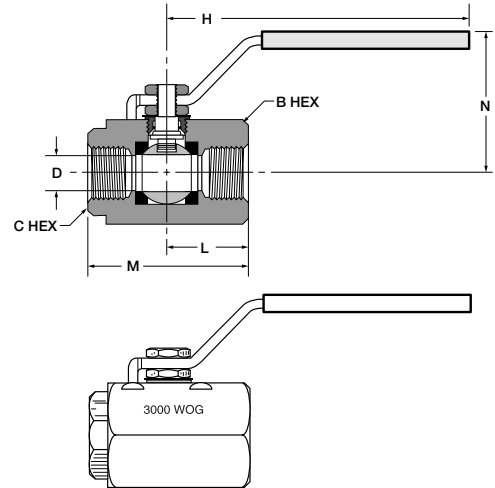
Flow data

VALVE SIZE	CV
1/4	6.0
3/8	12.0
1/2	15.0
3/4	34.0
1	54.0

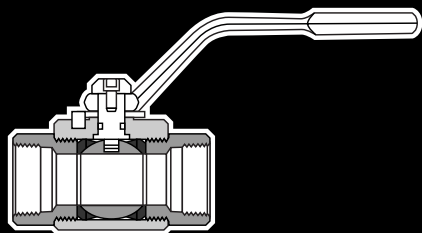
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Female-Female SAE Straight Thread Ports XV506CS

PART NO.	STRAIGHT THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV506CS-4	7/16-20	1-1/16	15/16	3.78	1.00	2.00	1.63	.400
XV506CS-6	9/16-18	1-1/16	15/16	3.78	1.00	2.00	1.63	.400
XV506CS-8	3/4-16	1-5/8	1-1/4	4.78	1.32	2.84	2.16	.500
XV506CS-12	1-1/16-12	1-7/8	1-5/8	4.78	1.66	3.71	2.35	.750
XV506CS-16	1-5/16-12	2-1/2	2-1/8	6.10	1.88	4.15	2.85	1.000



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High Pressure Carbon Steel Ball Valves Series 500HP/506HP/507HP

Advantages

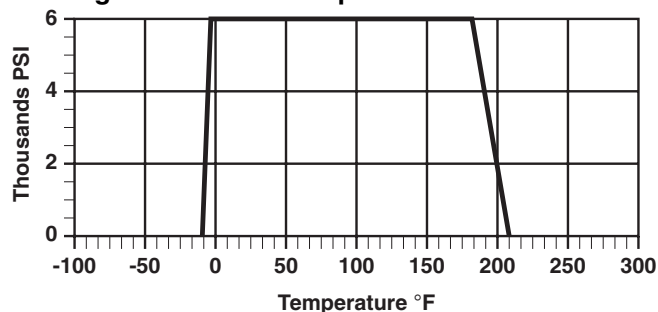
Parker's high pressure carbon steel ball valves feature a round or square body with hex shaped ports for easy installation. Delrin™ seats with Molybdenum disulphide (MoS₂) results in lower actuation torque and will increase high duty life cycle expectancy. The stem seals are Nitrile O-Rings. All sizes are full ported, which means an unrestricted bore and minimum flow restriction. Available port configurations are NPT and SAE straight thread and ISO 6149 threads 1/4 inch through 2 inch.

Applications

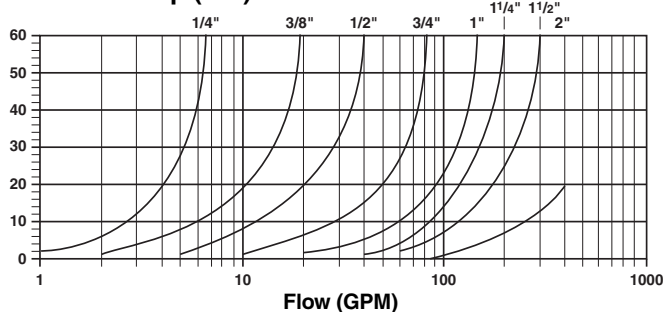
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Hydraulic and general industrial applications on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperature



Pressure Drop (PSI)



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

Style	Type	Material	Size
V	500	HP	-4
Style	V-Valve VP-Valve, Padlocking Handle		
Type	500-Female/Female NPT Ports		
Material	HP-High Pressure Carbon Steel		
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4"	16-1" 20-1 1/4" 24-1 1/2" 32-2"	

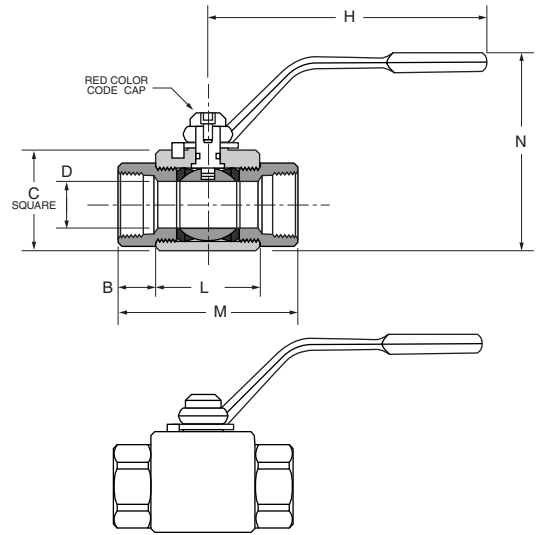
Style	Type	Material	Size
V	506	HP	-20
Style	V-Valve VP-Valve, Padlocking Handle		
Type	506-Female/Female SAE Straight Thread Ports		
Material	HP-High Pressure Carbon Steel		
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4"	16-1" 20-1 1/4" 24-1 1/2" 32-2"	

Style	Type	Material	Size
V	507	HP	-M18
Style	V-Valve		
Type	507-Female / Female ISO 6149 Ports		
Material	HP-High Pressure Carbon Steel		
Size	M18x1.5 M27x2		



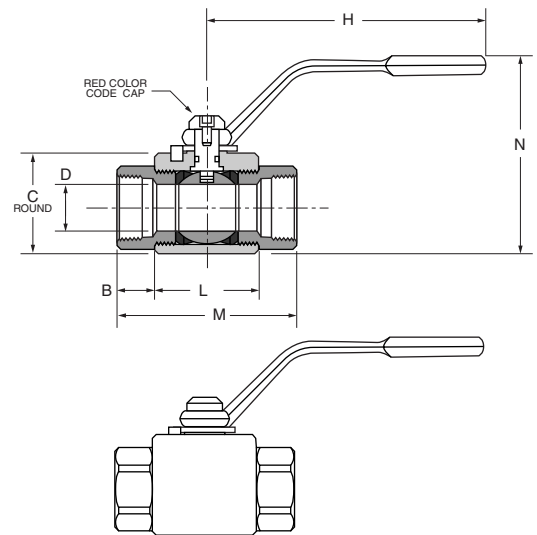
6000 PSI Female-Female Pipe Ends XV500HP-X

PART NO.	PIPE THREAD [NPT]	B	C	H	L	M	N	FLOW DIA. D
XV500HP-4	1/4-18	.67	1.38	4.50	1.39	2.74	2.98	.240
XV500HP-6	3/8-18	.60	1.50	4.50	1.65	2.87	3.11	.390
XV500HP-8	1/2-14	.75	1.63	4.50	1.85	3.35	3.23	.510
XV500HP-12	3/4-14	.70	2.25	7.00	2.40	3.80	4.70	.790
XV500HP-16	1-11.5	.96	2.50	7.00	2.57	4.49	4.95	.950



6000 PSI Female-Female Pipe Ends XV500HP-X (LARGE)

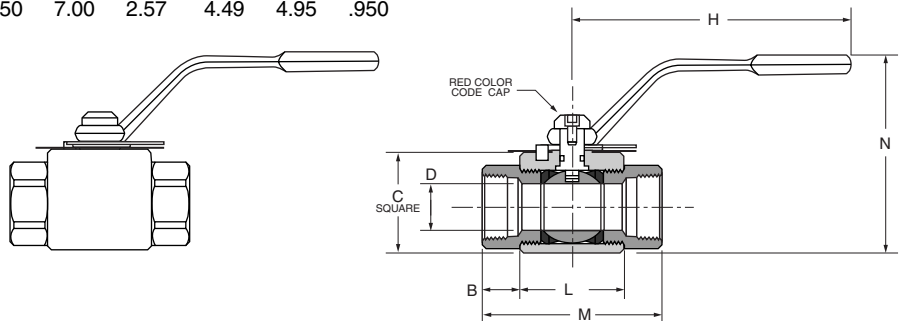
PART NO.	PIPE THREAD [NPT]	B	C	H	L	M	N	FLOW DIA. D
XV500HP-20	1 1/4-11.5	.85	3.25	10.00	3.15	4.84	6.31	1.26
XV500HP-24	1 1/2-11.5	.99	3.75	10.00	3.35	5.33	6.76	1.50
XV500HP-32	2-11.5	1.30	4.50	10.00	3.94	6.54	7.42	1.89



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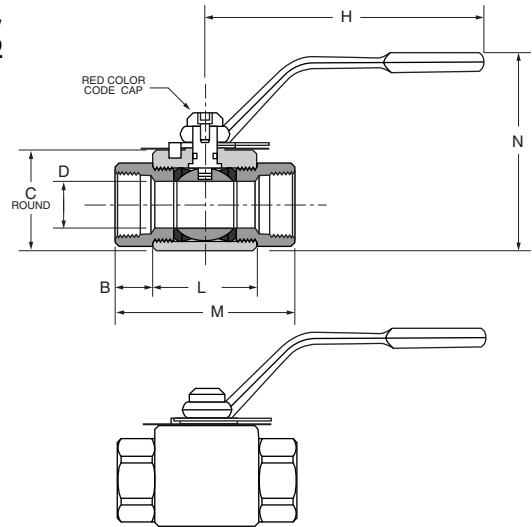
6000 PSI Locking-Female-Female Pipe Ends XVP500HP-X

PART NO.	PIPE THREAD [NPT]	B	C	H	L	M	N	FLOW DIA. D
XVP500HP-4	1/4-18	.67	1.38	4.50	1.39	2.74	2.98	.240
XVP500HP-6	3/8-18	.60	1.50	4.50	1.65	2.87	3.11	.390
XVP500HP-8	1/2-14	.75	1.63	4.50	1.85	3.35	3.23	.510
XVP500HP-12	3/4-14	.70	2.25	7.00	2.40	3.80	4.70	.790
XVP500HP-16	1-11.5	.96	2.50	7.00	2.57	4.49	4.95	.950



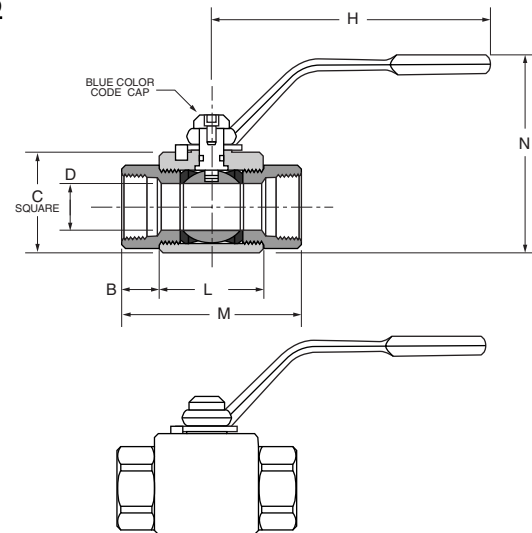
6000 PSI Locking-Female-Female Pipe Ends XVP500HP-X (LARGE)

PART NO.	PIPE THREAD [NPT]	B	C	H	L	M	N	FLOW DIA. D
XVP500HP-20	1 1/4-11.5	.85	3.25	10.00	3.15	4.84	6.31	1.26
XVP500HP-24	1 1/2-11.5	.99	3.75	10.00	3.35	5.33	6.76	1.50
XVP500HP-32	2-11.5	1.30	4.50	10.00	3.94	6.54	7.42	1.89



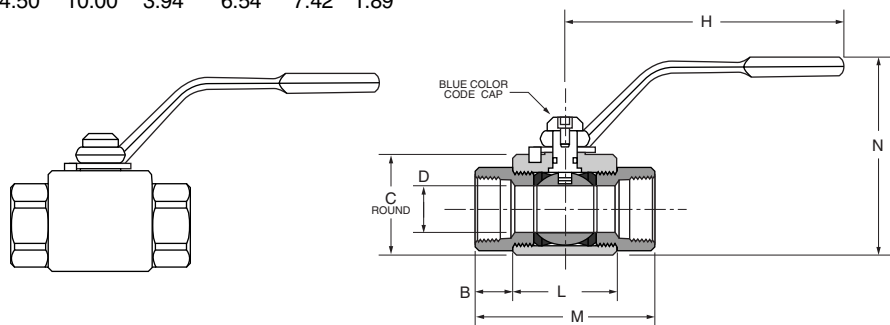
6000 PSI Female-Female Straight Thread Ends XV506HP-X

PART NO.	SAE J1926-1 THREAD	B	C	H	L	M	N	FLOW DIA. D
XV506HP-4	7/16-20 UNF	.67	1.38	4.50	1.39	2.74	2.98	.240
XV506HP-6	9/16-18 UNF	.60	1.50	4.50	1.65	2.87	3.11	.390
XV506HP-8	3/4-16 UNF	.75	1.63	4.50	1.85	3.35	3.23	.510
XV506HP-12	1 1/16-12 UNF	.70	2.25	7.00	2.40	3.80	4.70	.790
XV506HP-16	1 5/16-12 UNF	.96	2.50	7.00	2.57	4.49	4.95	.950



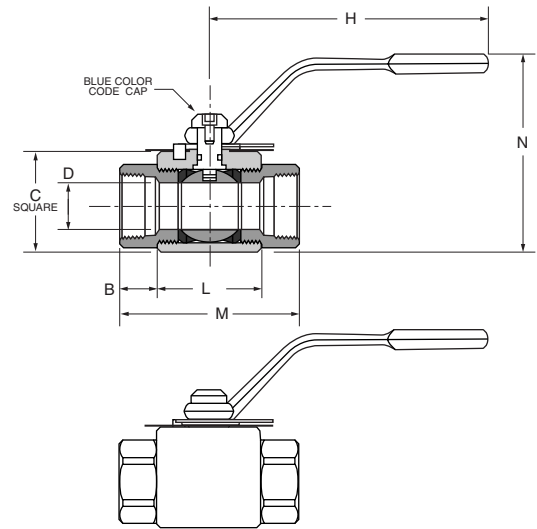
6000 PSI Female-Female Straight Thread Ends XV506HP-X (LARGE)

PART NO.	SAE J1926-1 THREAD	B	C	H	L	M	N	FLOW DIA. D
XV506HP-20	1 5/8-12 UNF	.85	3.25	10.00	3.15	4.84	6.31	1.26
XV506HP-24	1 7/8-12 UNF	.99	3.75	10.00	3.35	5.33	6.76	1.50
XV506HP-32	2 1/2-12 UNF	1.30	4.50	10.00	3.94	6.54	7.42	1.89



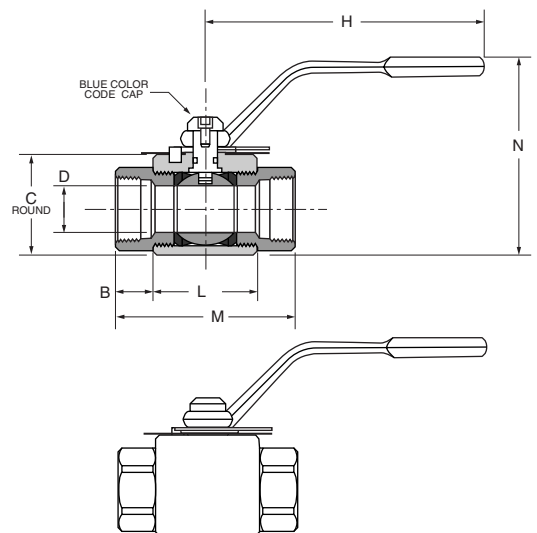
6000 PSI Locking-Female-Female Straight Thread Ends XVP506HP-X

PART NO.	SAE J1926-1 THREAD	B	C	H	L	M	N	FLOW DIA. D
XVP506HP-4	7/16-20 UNF	.67	1.38	4.50	1.39	2.74	2.98	.240
XVP506HP-6	9/16-18 UNF	.60	1.50	4.50	1.65	2.87	3.11	.390
XVP506HP-8	3/4-16 UNF	.75	1.63	4.50	1.85	3.35	3.23	.510
XVP506HP-12	1 1/16-12 UNF	.70	2.25	7.00	2.40	3.80	4.70	.790
XVP506HP-16	1 5/16-12 UNF	.96	2.50	7.00	2.57	4.49	4.95	.950



6000 PSI Locking-Female-Female Straight Thread Ends XVP506HP-X (LARGE)

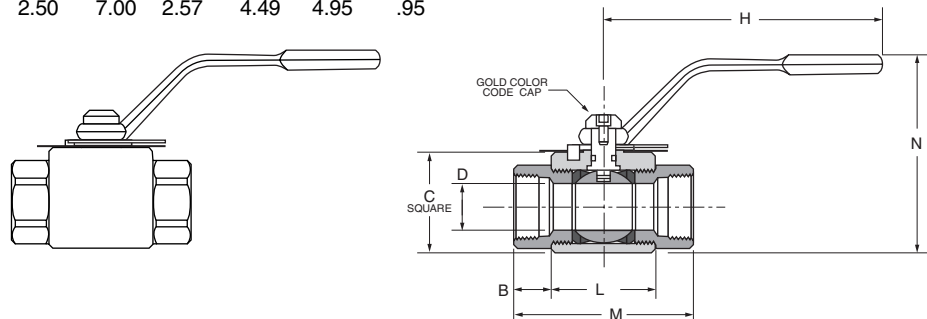
PART NO.	SAE J1926-1 THREAD	B	C	H	L	M	N	FLOW DIA. D
XVP506HP-20	1 5/8-12 UNF	.85	3.25	10.00	3.15	4.84	6.31	1.26
XVP506HP-24	1 7/8-12 UNF	.99	3.75	10.00	3.35	5.33	6.76	1.50
XVP506HP-32	2 1/2-12 UNF	1.30	4.50	10.00	3.94	6.54	7.42	1.89

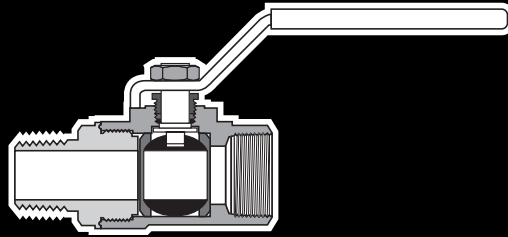


J

6000 PSI Female / Female ISO 6149 Ports XV507HP-X

PART NO.	ISO 6149 PORT	B	C	H	L	M	N	FLOW DIA. D
XV507HP-M16	M16X1.5	.60	1.50	4.50	1.65	2.87	3.11	.39
XV507HP-M18	M18X1.5	.75	1.63	4.50	1.85	3.35	3.23	.51
XV507HP-M27	M27X2	.70	2.25	7.00	2.40	3.80	4.70	.79
XV507HP-M33	M33X2	.96	2.50	7.00	2.57	4.49	4.95	.95





Stainless Steel Ball Valves Series 501SS

Advantages

Parker's Cast Body is manufactured from CF-8M Stainless Steel, the cast equivalent of 316 Stainless Steel. They are ideal for corrosive environments such as chemical plants and refineries. The full flow design assures maximum operating efficiency. The reinforced PTFE seats and seals, coupled with the 316 Stainless Ball and blow-out proof stem, result in the utmost reliability. This ball valve is available in 1/4", 3/8", 1/2", 3/4" and 1" female pipe sizes.

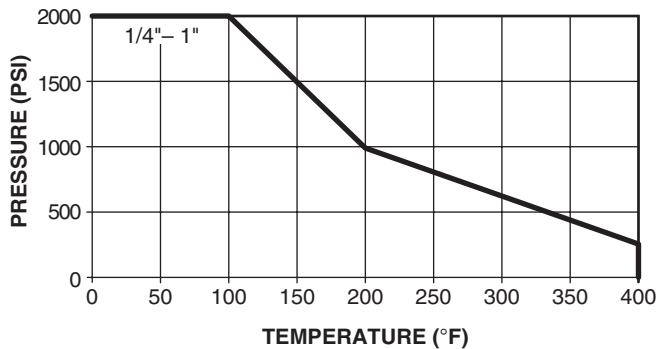
Applications/Approvals

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

Applications include chemical plants, refineries, steel mills, industrial fuel lines and agricultural equipment. Meets material requirements of NACE MR-01-75.

Working Pressure/Temperature

Saturated steam service rating up to 150 PSI and 400° F.



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	501	SS	-4	-00
Style	V-Valve			
Type	501-Male/Female NPT Ports			
Material	SS-Stainless Steel			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1"			

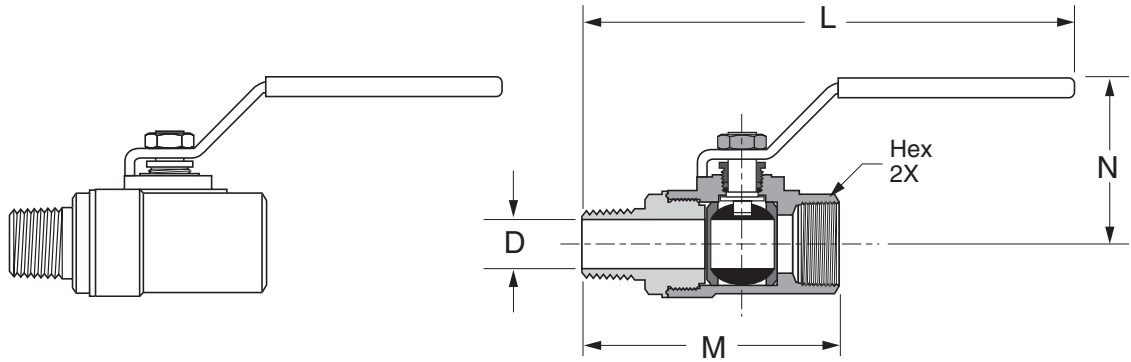
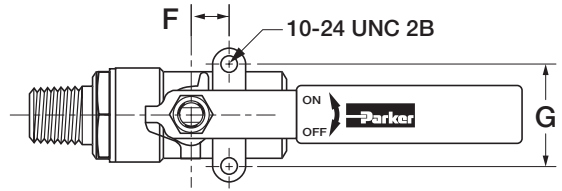
Flow data

VALVE SIZE	CV
1/4	4.0
3/8	6.0
1/2	14.0
3/4	35.0
1	54.0

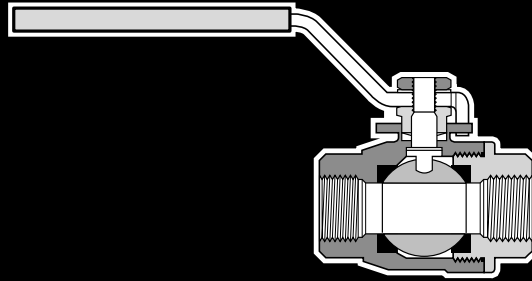


Male-Female Pipe Ends XV501SS

PART NO.	PIPE THREAD [NPT]	HEX	F	G	L	M	N	D FLOW Ø
XV501SS-4	1/4	15/16	.50	1.12	5.60	2.65	1.97	.280
XV501SS-6	3/8	15/16	.50	1.12	5.60	2.65	1.97	.375
XV501SS-8	1/2	1-1/16	.50	1.12	5.85	3.05	2.00	.500
XV501SS-12	3/4	1-3/8	.88	1.37	7.27	3.85	2.55	.720
XV501SS-16	1	1-5/8	.88	1.37	7.48	4.25	2.68	.940



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Stainless Steel Ball Valves Series 502SS

Advantages

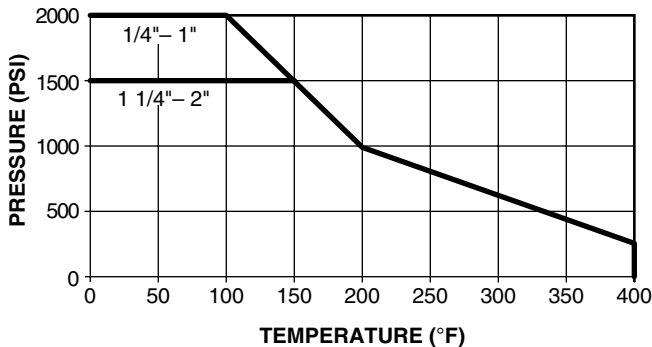
Parker's Cast Body is manufactured from CF-8M Stainless Steel, the cast equivalent of 316 Stainless Steel. They are ideal for corrosive environments such as chemical plants and refineries. The full flow design assures maximum operating efficiency. The reinforced PTFE seats and seals, coupled with the 316 Stainless Ball and blow-out proof stem, result in the utmost reliability. These ball valves are available in 1/4", 3/8", 1/2" (502SS), and 3/4", 1", 1-1/4", 1-1/2" and 2" (500SS) female pipe sizes.

Applications/Approvals

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

Applications include chemical plants, refineries, steel mills, industrial fuel lines and agricultural equipment. Meets material requirements of NACE MR-01-75.

Working Pressure/Temperature



Saturated steam service rating up to 150 PSI and 400° F.

Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

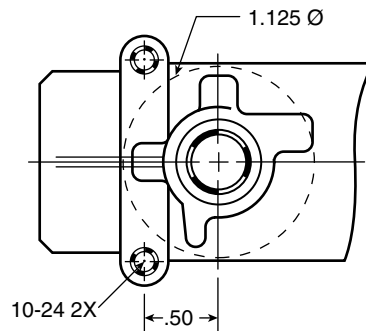
NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

Style	Type	Material	Size	Options
V	502	SS	-4	-00
Style	V-Valve VP-Valve, Padlocking Handle			
Type	502-Panel Mount Female/Female PTF Ports			
Material	SS-Stainless Steel			
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4"	16-1" 20-1 1/4" 24-1 1/2" 32-2"		
Options	20-Short Handle 21-Oval Handle 35-Welded Retainer Nut			

Flow data 502SS

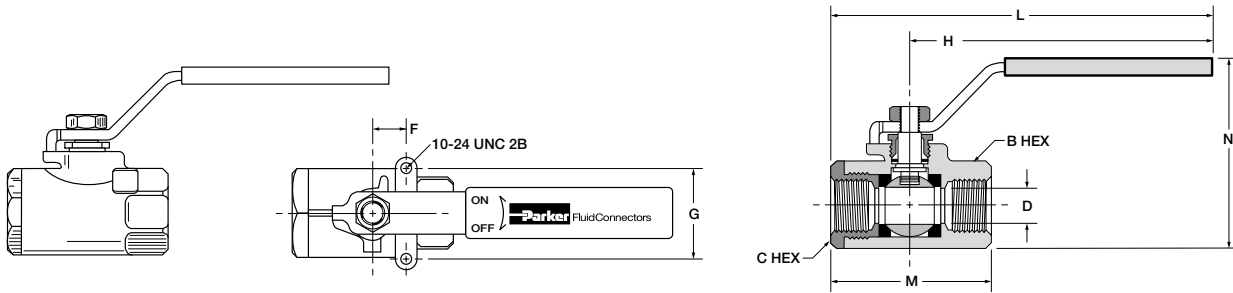
VALVE SIZE	CV
1/4	4.0
3/8	6.0
1/2	14.0
3/4	35.0
1	54.0
1 1/4	74.0
1 1/2	120.0
2	226.0

502SS Mounting detail



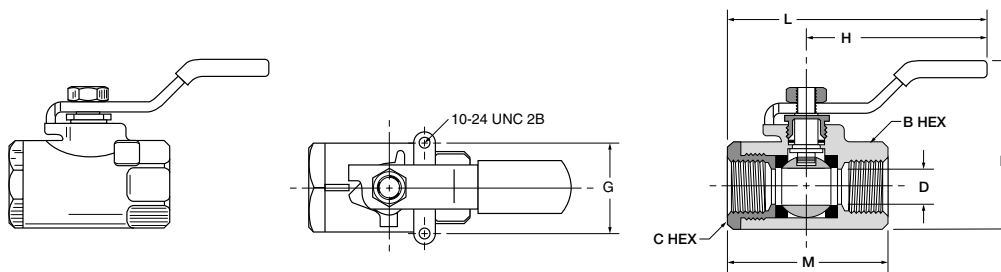
Female Pipe Ends, Panel Mount XV502SS

PART NO.	PIPE THREAD (NPT)	B/C HEX	F	G	H	I THREAD	L	M	N	FLOW DIA. D	PANEL HOLE DIA.
XV502SS-4	1/4	15/16	.500	1.125	4.00	10-24 UNC	5.03	2.07	2.52	.380	1.125
XV502SS-6	3/8	15/16	.500	1.125	4.00	10-24 UNC	5.03	2.07	2.52	.380	1.125
XV502SS-8	1/2	1-1/16	.500	1.125	4.00	10-24 UNC	5.13	2.27	2.65	.500	1.125
XV502SS-12	3/4	1-3/8	.875	1.375	5.00	10-24 UNC	6.67	3.35	3.46	.790	1.500
XV502SS-16	1	1-5/8	.875	1.375	5.00	10-24 UNC	6.77	3.54	3.74	1.000	1.500
XV502SS-20	1-1/4	2	1.000	1.500	7.00	1/4-20 UNC	9.00	4.00	4.55	1.250	2.000
XV502SS-24	1-1/2	2-3/8	1.000	1.500	7.00	1/4-20 UNC	7.19	4.38	5.42	1.500	2.000
XV502SS-32	2	3	1.000	1.500	7.00	1/4-20 UNC	9.75	5.50	5.68	2.000	2.000



Short Handle, Female Pipe Ends, Panel Mount XV502SS-X-20

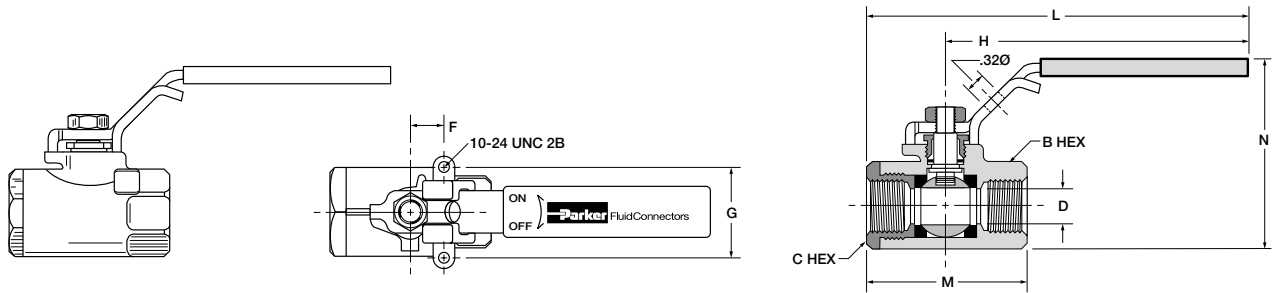
PART NO.	PIPE THREAD [NPT]	B/C HEX	G	H	L	M	N	FLOW DIA. D
XV502SS-4-20	1/4	15/16	1.12	2.28	3.32	2.07	2.53	.375
XV502SS-6-20	3/8	15/16	1.12	2.28	3.32	2.07	2.53	.375
XV502SS-8-20	1/2	1-1/16	1.12	2.22	3.37	2.25	2.63	.500



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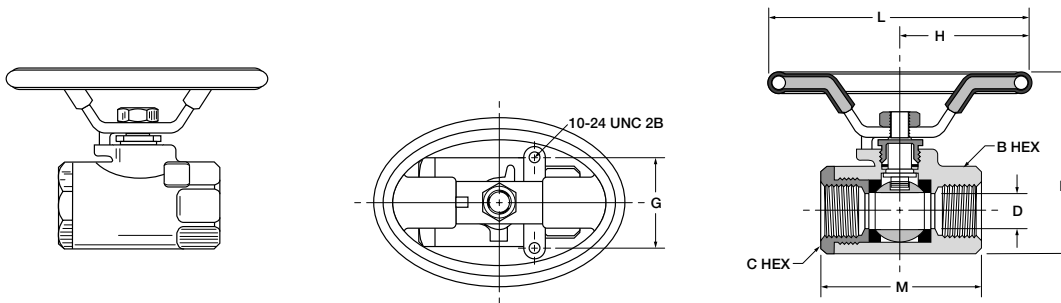
Locking Handle, Female Pipe Ends, Panel Mount XVP502SS

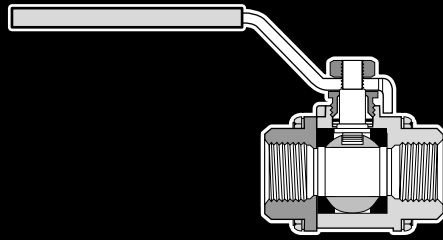
PART NO.	PIPE THREAD (NPT)	B/C HEX	F	G	H	I THREAD	L	M	N	FLOW DIA. D	PANEL HOLE DIA.
XVP502SS-4	1/4	15/16	.500	1.125	4.00	10-24 UNC	5.03	2.07	2.52	.380	1.125
XVP502SS-6	3/8	15/16	.500	1.125	4.00	10-24 UNC	5.03	2.07	2.52	.380	1.125
XVP502SS-8	1/2	1-1/16	.500	1.125	4.00	10-24 UNC	5.13	2.27	2.65	.500	1.125
XVP502SS-12	3/4	1-3/8	.875	1.375	5.00	10-24 UNC	6.67	3.35	3.46	.790	1.500
XVP502SS-16	1	1-5/8	.875	1.375	5.00	10-24 UNC	6.77	3.54	3.74	1.000	1.500
XVP502SS-20	1-1/4	2	1.000	1.500	7.00	1/4-20 UNC	9.00	4.00	4.55	1.250	2.000
XVP502SS-24	1-1/2	2-3/8	1.000	1.500	7.00	1/4-20 UNC	7.19	4.38	5.42	1.500	2.000
XVP502SS-32	2	3	1.000	1.500	7.00	1/4-20 UNC	9.75	5.50	5.68	2.000	2.000



Oval Handle, Female Pipe Ends, Panel Mount XV502SS-X-21

PART NO.	PIPE THREAD (NPT)	B/C HEX	G	H	L	I THREAD	M	N	FLOW DIA. D	PANEL HOLE DIA.
XV502SS-4-21	1/4	15/16	1.125	1.74	3.48	10-24 UNC	2.07	2.43	.380	1.125
XV502SS-6-21	3/8	15/16	1.125	1.74	3.48	10-24 UNC	2.07	2.43	.380	1.125
XV502SS-8-21	1/2	1-1/16	1.125	1.74	3.48	10-24 UNC	2.27	2.54	.500	1.125
XV502SS-12-21	3/4	1-3/8	1.375	2.68	5.36	10-24 UNC	3.35	3.45	.790	1.500
XV502SS-16-21	1	1-5/8	1.375	2.68	5.36	10-24 UNC	3.54	3.74	1.000	1.500
XV502SS-20-21	1-1/4	2	1.500	3.27	6.53	1/4-20 UNC	4.00	4.54	1.250	2.000
XV502SS-24-21	1-1/2	2-3/8	1.500	3.27	6.53	1/4-20 UNC	4.38	4.93	1.500	2.000
XV502SS-32-21	2	3	1.500	3.27	6.53	1/4-20 UNC	5.50	5.67	2.000	2.000





Stainless Steel Swing-Out Ball Valves Series 504SS

Advantages

Parker's Cast Body is manufactured from CF-8M Stainless Steel, the cast equivalent of 316 Stainless Steel. They are ideal for corrosive environments such as chemical plants and refineries. The full flow design assures maximum operating efficiency. The reinforced PTFE seats and seals, coupled with the 316 Stainless Ball and blow-out proof stem, result in the utmost reliability. This ball valve is available in 1/4"-2" female pipe thread sizes. Direct access for cleaning or maintenance is performed by removing one bolt, loosening the other three bolts, and swinging out the center section. Seats and seals can then be replaced without disturbing pipe alignment.

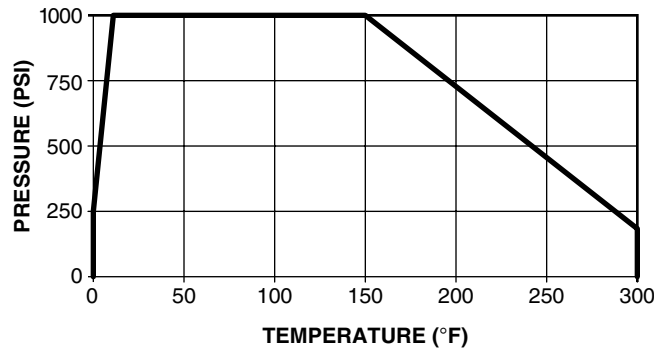
Applications/Approvals

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

Applications include chemical plants, refineries, steel mills, industrial fuel lines and agricultural equipment. Meets material requirements of NACE MR-01-75.

Working Pressure/Temperature

Saturated steam service rating up to 150 PSI and 400° F.



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

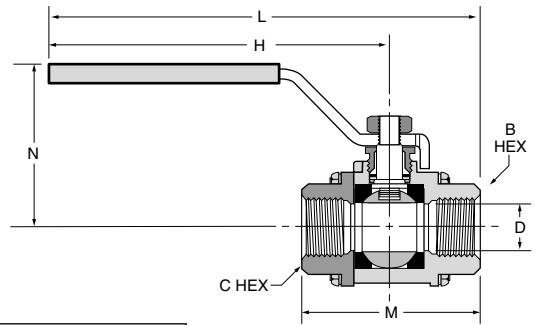
Style	Type	Material	Size
V	504	SS	-4
Style	V-Valve VP-Valve, Padlocking Handle		
Type	504-Female/Female NPT Ports		
Material	SS- Stainless Steel		
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1" 20- 1 1/4" 24- 1 1/2" 32- 2"		
Options	21-Oval Handle		

Repair Service Kits SK504SS-X-TFE

PART NO.	VALVE SIZE
SK504SS-4-TFE	1/4
SK504SS-6-TFE	3/8
SK504SS-8-TFE	1/2
SK504SS-12-TFE	3/4
SK504SS-16-TFE	1
SK504SS-20-TFE	1 1/4
SK504SS-24-TFE	1 1/2
SK504SS-32-TFE	2

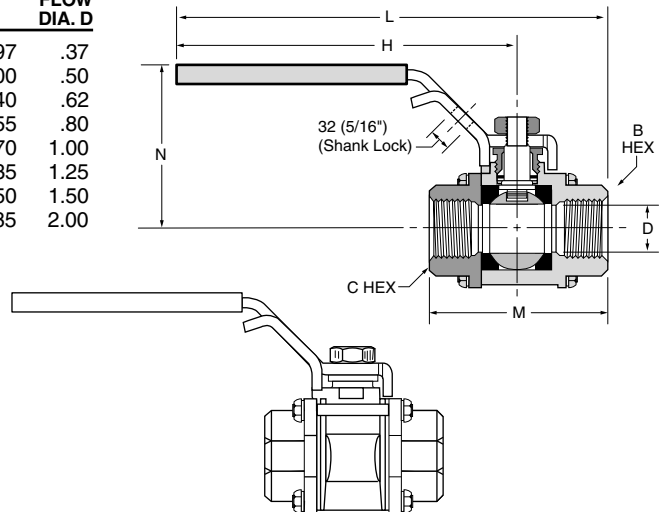
Female-Female Pipe Ends XV504SS

PART NO.	PIPE THREAD [NPT]	B HEX	C HEX	H	L	M	N	FLOW DIA. D
XV504SS-4	1/4	3/4	3/4	4.0	5.28	2.56	1.97	.37
XV504SS-6	3/8	15/16	15/16	4.0	5.28	2.56	2.00	.50
XV504SS-8	1/2	1-1/16	1-1/16	5.5	6.91	2.82	2.40	.62
XV504SS-12	3/4	1-3/8	1-3/8	5.5	7.17	3.35	2.55	.80
XV504SS-16	1	1-5/8	1-5/8	5.5	7.37	3.74	2.70	1.00
XV504SS-20	1-1/4	2	2	7.0	9.16	4.33	3.35	1.25
XV504SS-24	1-1/2	2-9/32	2-9/32	7.0	9.43	4.86	3.50	1.50
XV504SS-32	2	2-27/32	2-27/32	7.0	9.75	5.51	3.85	2.00



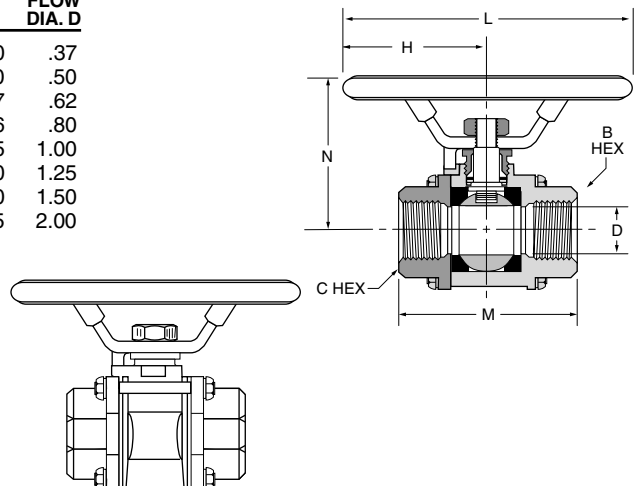
Locking Handle, Female-Female Pipe Ends XVP504SS

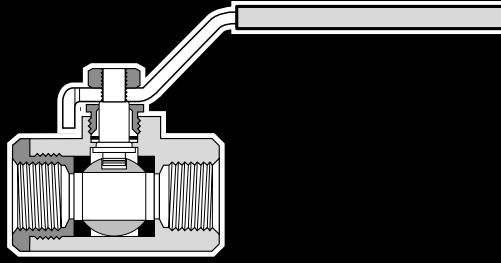
PART NO.	PIPE THREAD [NPT]	B HEX	C HEX	H	L	M	N	FLOW DIA. D
XVP504SS-4	1/4	3/4	3/4	4.0	5.28	2.56	1.97	.37
XVP504SS-6	3/8	15/16	15/16	4.0	5.28	2.56	2.00	.50
XVP504SS-8	1/2	1-1/16	1-1/16	5.5	6.91	2.82	2.40	.62
XVP504SS-12	3/4	1-3/8	1-3/8	5.5	7.17	3.35	2.55	.80
XVP504SS-16	1	1-5/8	1-5/8	5.5	7.37	3.74	2.70	1.00
XVP504SS-20	1 1/4	2	2	7.0	9.16	4.33	3.35	1.25
XVP504SS-24	1 1/2	2-9/32	2-9/32	7.0	9.43	4.86	3.50	1.50
XVP504SS-32	2	2-27/32	2-27/32	7.0	9.75	5.51	3.85	2.00



Oval Handle, Female-Female Pipe Ends XV504SS-X-21

PART NO.	PIPE THREAD [NPT]	B HEX	C HEX	H	L	M	N	FLOW DIA. D
XV504SS-4-21	1/4	3/4	3/4	1.74	3.49	2.56	1.80	.37
XV504SS-6-21	3/8	15/16	15/16	1.74	3.49	2.56	1.80	.50
XV504SS-8-21	1/2	1-1/16	1-1/16	2.68	5.35	2.81	2.47	.62
XV504SS-12-21	3/4	1-3/8	1-3/8	2.68	5.35	3.35	1.56	.80
XV504SS-16-21	1	1-5/8	1-5/8	2.68	5.35	3.74	2.65	1.00
XV504SS-20-21	1-1/4	2	2	3.27	6.54	4.33	3.30	1.25
XV504SS-24-21	1-1/2	2-9/32	2-9/32	3.27	6.54	4.86	3.50	1.50
XV504SS-32-21	2	2-27/32	2-27/32	3.27	6.54	5.51	3.85	2.00





Female/Female Straight Thread Stainless Steel Ball Valves Series 506SS

Advantages

Parker's Cast Body is manufactured from CF-8M Stainless Steel, the cast equivalent of 316 Stainless Steel. They are ideal for corrosive environments such as chemical plants and refineries. The full flow design assures maximum operating efficiency. The reinforced PTFE seats and seals, coupled with the 316 Stainless Ball and blow-out proof stem, result in the utmost reliability. These ball valves are available in 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2" female straight thread sizes.

Applications/Approvals

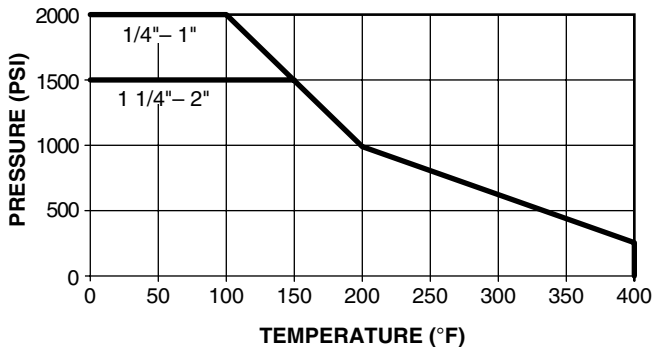
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

Applications include chemical plants, refineries, steel mills, industrial fuel lines and agricultural equipment. Meets material requirements of NACE MR-01-75.

Style	Type	Material	Size
V	506	SS	-4
Style	V-Valve		
Type	506-Female/Female Straight Thread		
Material	SS-Stainless Steel		
Size	4-1/4" 6-3/8" 8-1/2" 12-3/4" 16-1" 20-1 1/4" 24-1 1/2" 32-2"		

Flow data 506SS

VALVE SIZE	CV
1/4	4.0
3/8	6.0
1/2	14.0
3/4	35.0
1	54.0
1 1/4	74.0
1 1/2	120.0
2	226.0



Working Pressure/Temperature

Saturated steam service rating up to 150 PSI and 400° F.

Operating Instructions

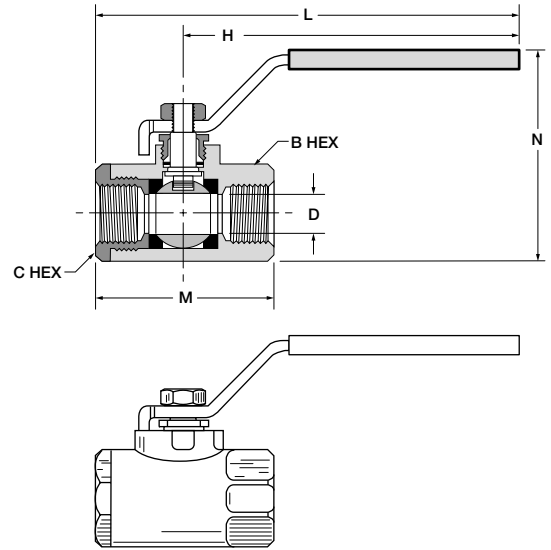
Quarter turn is "ON" or "OFF".

(Provides positive stop action for full shutoff.)

NOTE: PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

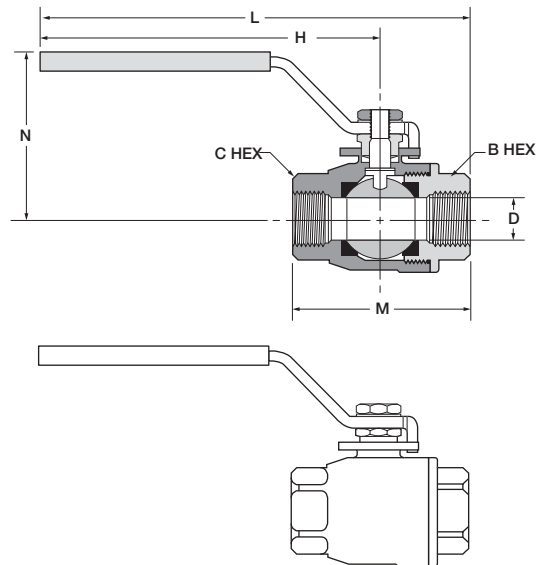
Female/Female, Straight Thread O-Ring Port XV506SS

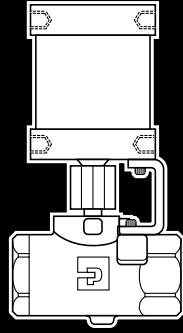
PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV506SS-4	7/16-20	15/16	15/16	4.00	5.10	2.17	2.52	.375
XV506SS-6	9/16-18	15/16	15/16	4.00	5.10	2.17	2.52	.375
XV506SS-8	3/4-16	1-1/16	1-1/16	4.00	5.25	2.47	2.70	.500
XV506SS-12	1-1/16-12	1-1/4	1-5/16	5.00	6.67	3.35	3.42	.787
XV506SS-16	1-5/16-12	1-1/2	1-9/16	5.00	6.77	3.54	3.81	1.000



Female/Female, Straight Thread O-Ring Port XV506SS-20, XV506SS-24, XV506SS-32

PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV506SS-20	1 5/8-12	1.93	1.93	7.00	9.000	4.000	3.27	1.25
XV506SS-24	1 7/8-12	2.13	2.13	7.00	9.185	4.375	3.45	1.50
XV506SS-32	2 1/2-12	2.85	2.85	7.00	9.750	5.500	3.81	2.00





Rotary Actuator Ball Valves Series ACT

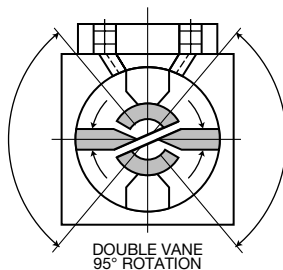
Parker... Leading the Industry

Parker combines many years of vane actuator experience with innovative product design to lead the industry in the development of reliable and efficient rotary actuators. When you specify Parker rotary vane actuators, you can rely on reduced maintenance costs and increased productivity.

How Do Vane Actuators Work?

Parker vane actuators provide the maximum amount of output torque from the smallest possible envelope size. They convert fluid power pressure into rotary motion for a wide variety of industrial applications. Double vane units produce twice the torque output of single vane actuators from identical envelope dimensions and have a maximum rotation of 95°.

A short cylindrical chamber encloses a vane attached to a central shaft. Fluid pressure differential is applied through a stationary barrier (stator) within the cylinder to one side of the vane. The opposite side of the vane is connected to exhaust through the stator. This pressure differential produces rotation of the vane and central shaft. Due to vane actuator design there will always be some internal bypass in these units.



Why Use Parker Vane Style Rotary Actuator Ball Valves?

- Provides uniform torque in both directions.
- Zero backlash allows precise positioning.
- Simplicity of design.
- Performs under the most adverse ambient conditions.
- No external linkage needed for rotary motion.
- Guaranteed zero external leakage.
- More efficient operation and longer time between servicing.

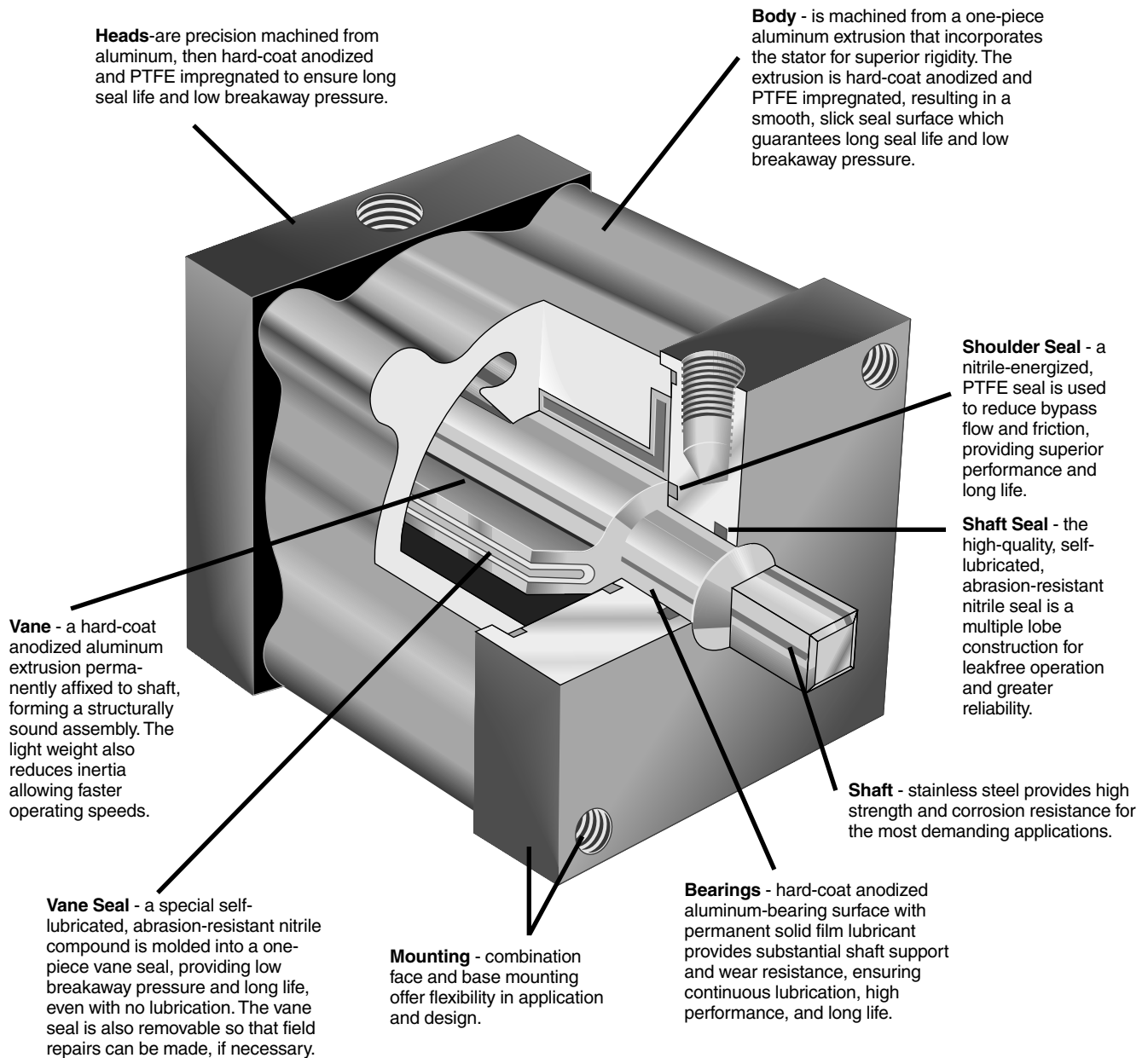
Where Can Parker Rotary Actuator Ball Valves Be Used?

- Remote Valve Actuation
- Material Handling
- Machine Tool
- Rubber and Plastics
- Machinery
- Mobile Equipment
- Robotics
- Packaging
- Multi-Process Industry
- Military/Commercial Marine
- Food Processing
- Electronics Manufacturing
- Transfer Lines

Act Series Features

- ON - OFF indicator
- Compact Profile
- Actuator ambient temperature with nitrile seals is -40° to 180°F
- 150 PSI maximum air pressure to actuator
- See specific part number for the minimum breakaway pressure
- Stainless steel ball and stem as standard

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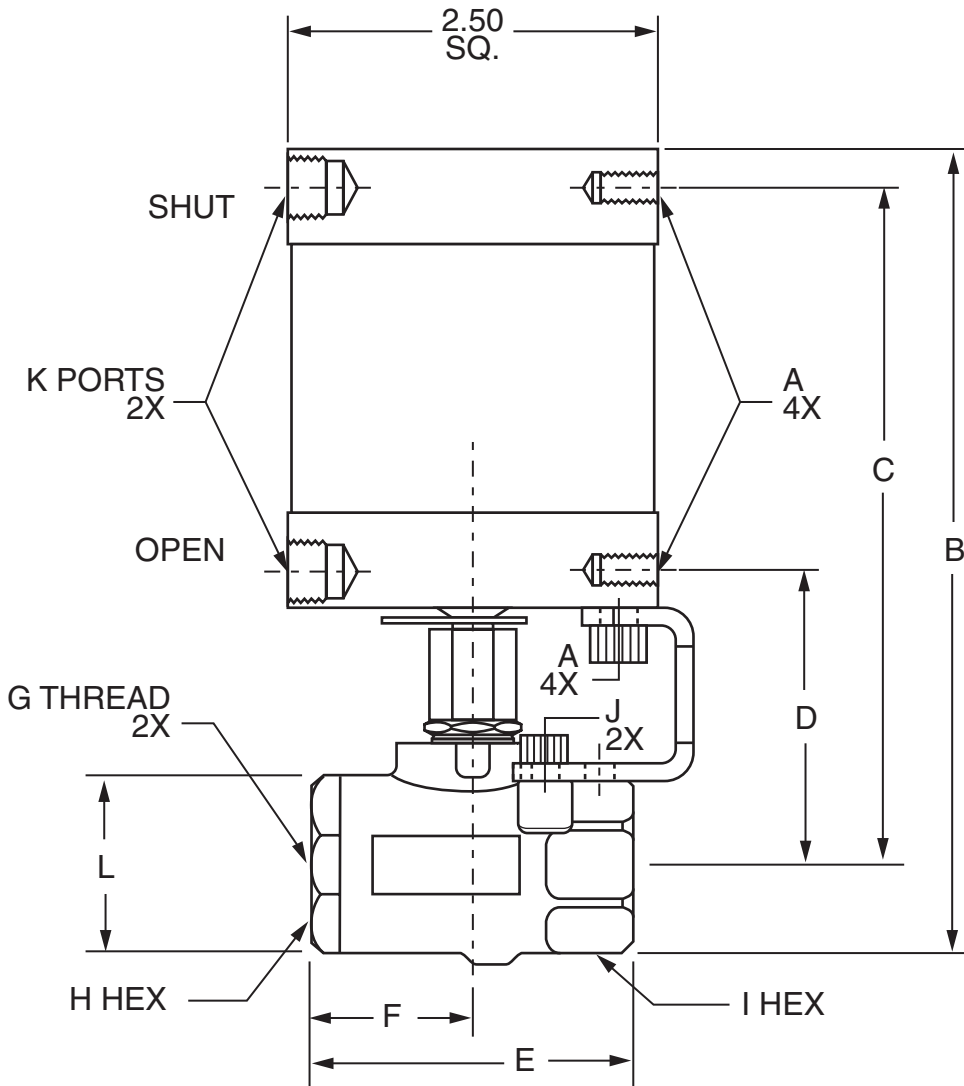


Rotary Actuator, Female Pipe Ends XV502P-X-ACT

PART . NO	SIZE	A MTG. HOLES	B	C	D	E	F	G	H HEX	I HEX	J UNC	K NPTF	L	FLOW DIA.	FLOW CV	MIN. ACT PRESSURE (PSI)
XV502P-4-ACT	1/4	1/4-20 UNC	5.25	4.47	1.91	2.03	1.00	1/4-18PTF	15/16	15/16	10-24	1/8-27	1.06	.375	4.0	50
XV502P-6-ACT	3/8	1/4-20 UNC	5.25	4.47	1.91	2.03	1.00	3/8-18PTF	15/16	15/16	10-24	1/8-27	1.06	.375	5.8	50
XV502P-8-ACT	1/2	1/4-20 UNC	5.38	4.54	1.98	2.20	1.09	1/2-14PTF*	1-1/16	1-1/16	10-24	1/8-27	1.19	.500	12.0	50
XV502P-12-ACT	3/4	1/4-20 UNC	5.57	4.63	2.07	2.42	1.29	3/4-14PTF**	1-5/16	1-1/4	10-24	1/8-27	1.38	.685	25.0	75
XV502P-16-ACT	1	1/4-20 UNC	5.85	4.76	2.20	2.75	1.38	1-11.5PTF**	1-9/16	1-1/2	10-24	1/8-27	1.67	.875	35.0	75

Stainless Steel Rotary Actuator, Female Pipe Ends XV502SS-X-ACT

PART . NO	SIZE	A MTG. HOLES	B	C	D	E	F	G	H/I HEX	J	K NPTF	L	FLOW DIA.	FLOW CV
XV502SS-4-ACT	1/4	1/4-20 UNC	5.41	4.61	2.05	2.07	1.04	1/4-18 NPT	15/16	10-24	1/8-27	1.10	.375	4.0
XV502SS-6-ACT	3/8	1/4-20 UNC	5.41	4.61	2.05	2.07	1.04	3/8-18 NPT	15/16	10-24	1/8-27	1.10	.375	6.0
XV502SS-8-ACT	1/2	1/4-20 UNC	5.53	4.64	2.08	2.27	1.17	1/2-14 NPT	1 1/16	10-24	1/8-27	1.28	.500	14.0



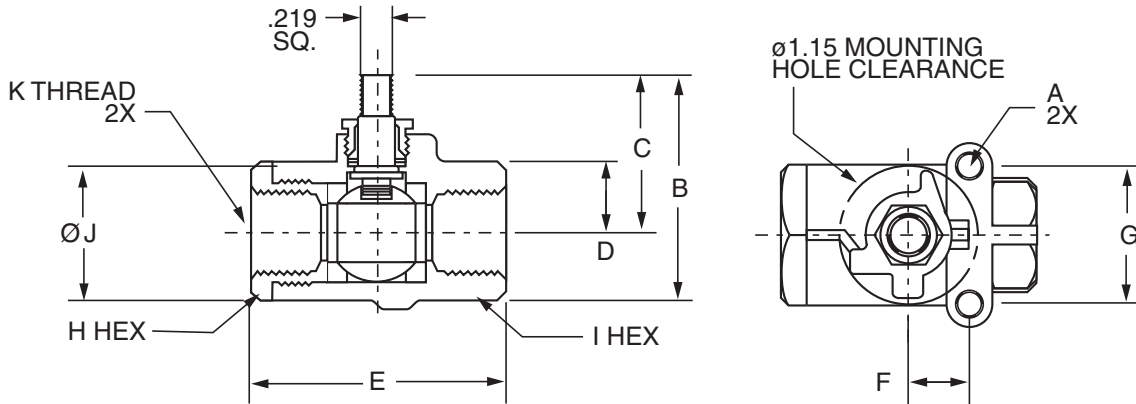
*PTF special short. **PTF special extra short

Actuator Sub-Assembly XV502P-X-SUB

PART . NO	SIZE	A UNC	B	C	D	E	F	G	H HEX	I HEX	J	K
XV502P-4-SUB	1/4	10-24	1.68	1.15	.495	2.03	.50	1.12	15/16	15/16	1.06	1/4-18 PTF
XV502P-6-SUB	3/8	10-24	1.68	1.15	.495	2.03	.50	1.12	15/16	15/16	1.06	3/8-18 PTF
XV502P-8-SUB	1/2	10-24	1.78	1.19	.565	2.20	.50	1.12	1-1/16	1-1/16	1.19	1/2-14 PTF*
XV502P-12-SUB	3/4	10-24	2.09	1.40	.655	2.42	.87	1.37	1-5/16	1-1/4	1.38	3/4-14 PTF**
XV502P-16-SUB	1	10-24	2.38	1.54	.785	2.75	.87	1.37	1-9/16	1-1/2	1.67	1-11.5 PTF**

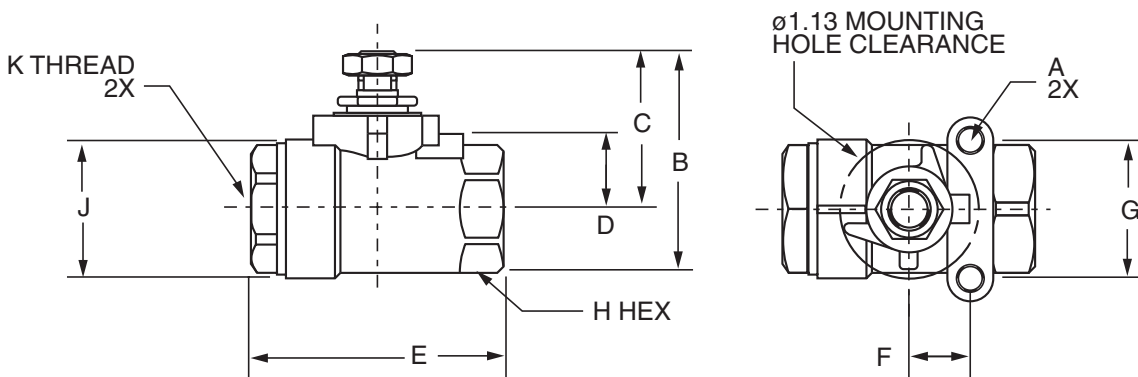
* PTF Special Short

** PTF Special Extra Short



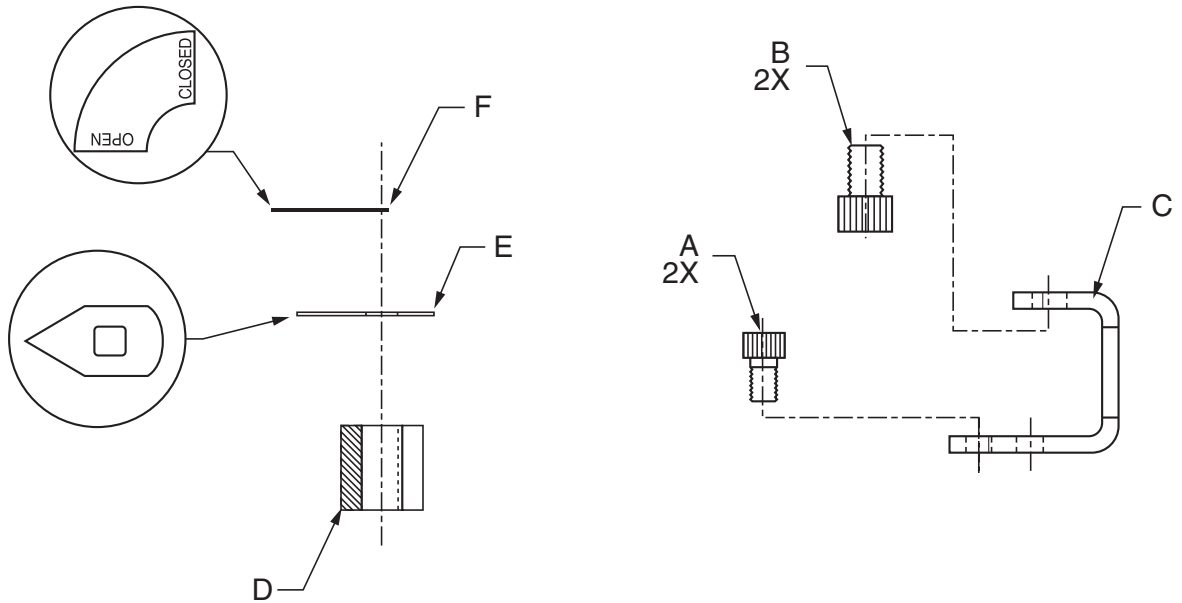
Actuator Sub-Assembly XV502SS-X-SUB

PART . NO	SIZE	A UNC	B	C	D	E	F	G	H HEX	J	K
XV502SS-4-SUB	1/4	10-24	1.88	1.32	.63	2.07	.50	1.12	15/16	1.10	1/4-18 NPT
XV502SS-6-SUB	3/8	10-24	1.88	1.32	.63	2.07	.50	1.12	15/16	1.10	3/8-18 NPT
XV502SS-8-SUB	1/2	10-24	2.00	1.35	.66	2.27	.50	1.12	1-1/16	1.28	1/2-14 NPT



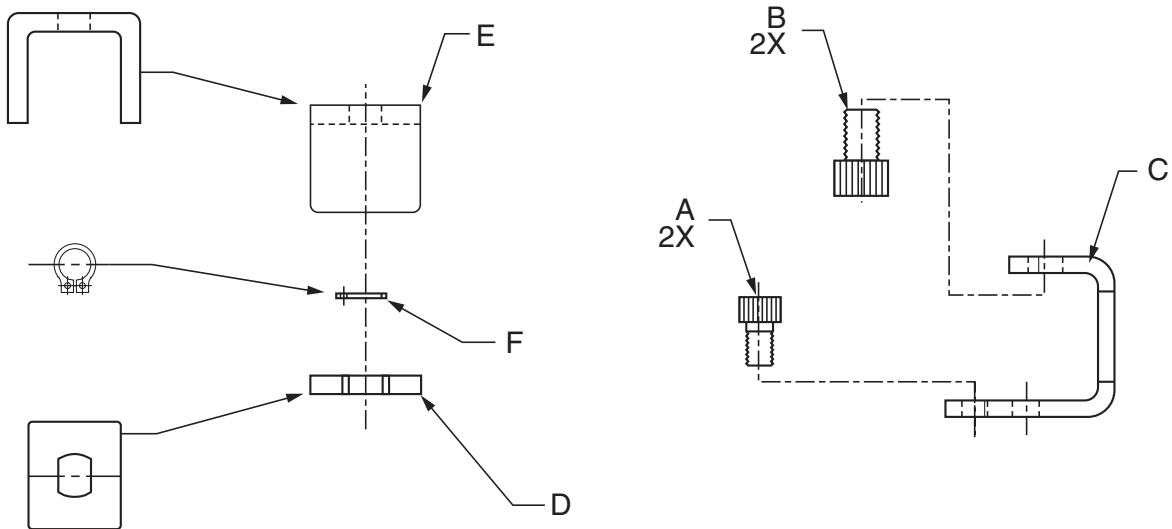
ACT-P-X-KIT

PART NO.	FOR USE WITH	A	B	C	D	E	F
ACT-P-1-KIT	XV502P-4, 6, 8-ACT	10-24 UNC	1/4-20 UNC	BRACKET	.60 LONG COUPLING	POSITION INDICATOR	POSITION LABEL
ACT-P-2-KIT	XV502P-12, 16-ACT	10-24 UNC	1/4-20 UNC	BRACKET	.55 LONG COUPLING	POSITION INDICATOR	POSITION LABEL

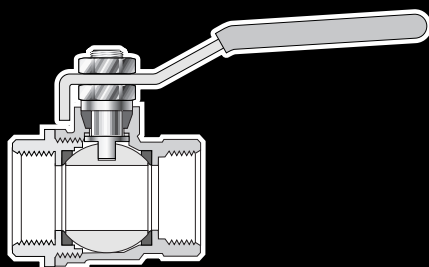


ACT-SS-X-KIT

PART NO.	FOR USE WITH	A	B	C	D	E	F
ACT-SS-1-KIT	XV502SS-4, 6, 8-ACT	10-24 UNC	1/4-20 UNC	BRACKET	CLIP	HANDLE YOKE	SNAP RING



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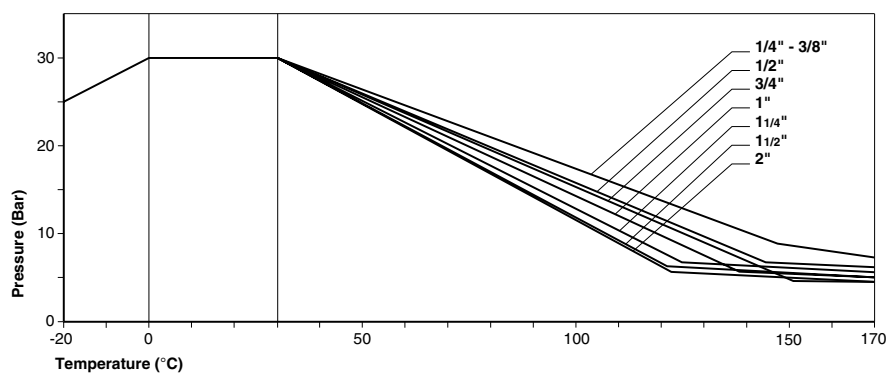


Parker Metric Ball Valves Series BVGC

Principle

Parker BVGC series economy ball valves are designed for use in a wide variety of fluid applications. Available with BSPP female/female* short threads to ISO-228, they are full flow valves giving minimum pressure drop. The BVGC series has a double PTFE seal on the ball enabling the valve to be used with flow in either direction. All seals are treated with a silicone free lubricant enabling the valves to be used in water-based paint spray applications. BVGC series valves have an adjustable PTFE packing gland for easy maintenance and longer service life. For operator safety the BVGC series valves are fitted with anti-extrusion stems to prevent blow out and all valves are 100% pressure tested twice to ensure zero leakage. For other thread configurations please consult your Parker sales engineer.

Operating pressures and temperatures

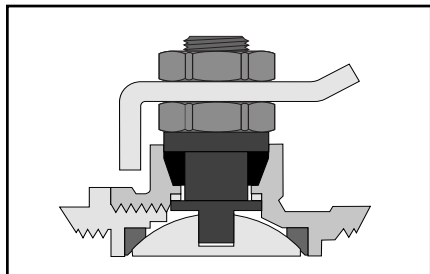


N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

Technical Features

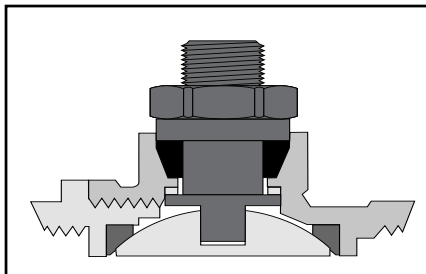
BODY	LEVER HANDLE	COMPACT HANDLE	ANTI EXTRUSION STEM	STEM PACKAGING GLAND	BALL	ANTI FRICTION RING	FORCING NUT	THREADS
Brass Nickel Plated to DIN 17660 and UNI 5705 Spec.	Carbon Steel with Yellow PVC Coating	Aluminum with Yellow Epoxy Coating	Brass Nickel Plated	PTFE	Brass Chrome Plated	PTFE	Brass Nickel Plated	1/4" to 2" BSPP to I SO 228/ DIN 259

Advantages



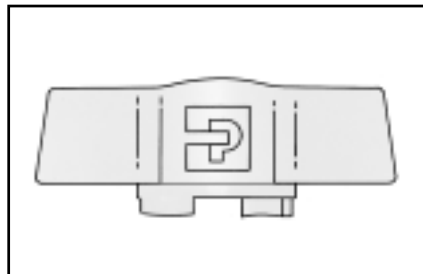
Adjustable packing

The PTFE packing gland and adjustable washer are designed to give longer service life and lower operating torques.



Anti extrusion stem

The BVGC series ball valves are fitted with an anti-extrusion stem to prevent blow out in the case of pressure peaks.



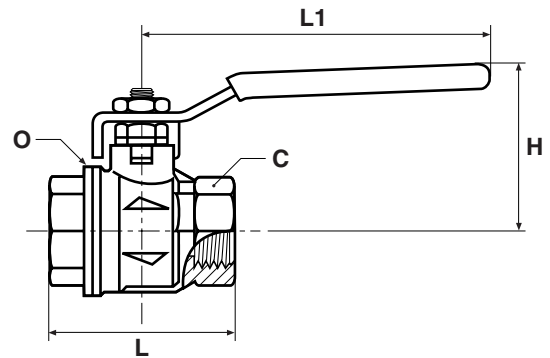
Compact handle

For applications where space is at a premium, the BVGC series valve is available with a compact handle in sizes up to 1".



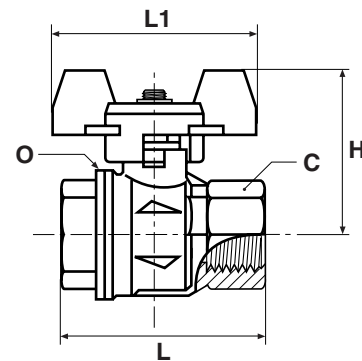
BVGC BSPP Female/Female Valve With Lever Handle

PART NO.	DN MM	THREAD BSPP	C	H	L	L1	O
BVG4-1/4C	8	1/4	20	39.5	39	82	25.0
BVG4-3/8C	10	3/8	20	39.5	39	82	25.0
BVG4-1/2C	15	1/2	25	44.0	50	100	32.5
BVG4-3/4C	20	3/4	31	50.0	54	120	39.0
BVG4-1C	25	1	38	54.0	67	120	47.5
BVG4-1.1/4C	32	1.1/4	48	76.5	77	158	59.0
BVG4-1.1/2C	40	1.1/2	54	82.5	90	158	71.5
BVG4-2C	50	2	66	89.5	106	158	86.0

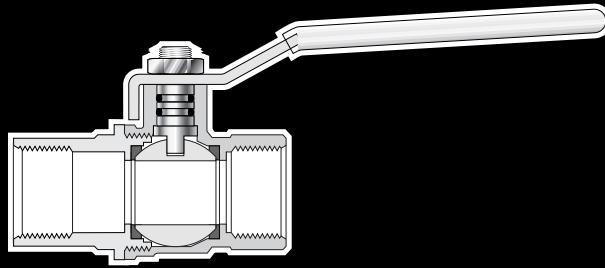


BVGT4 BSPP Female/Female Valve With Compact Handle

PART NO.	DN MM	THREAD BSPP	C	H	L	L1	O
BVGT4-1/4C	8	1/4	20	40	39	50	25.0
BVGT4-3/8C	10	3/8	20	40	39	50	25.0
BVGT4-1/2C	15	1/2	25	44	50	50	32.5
BVGT4-3/4C	20	3/4	31	49	54	60	39.0
BVGT4-1C	25	1	38	53	67	60	47.5



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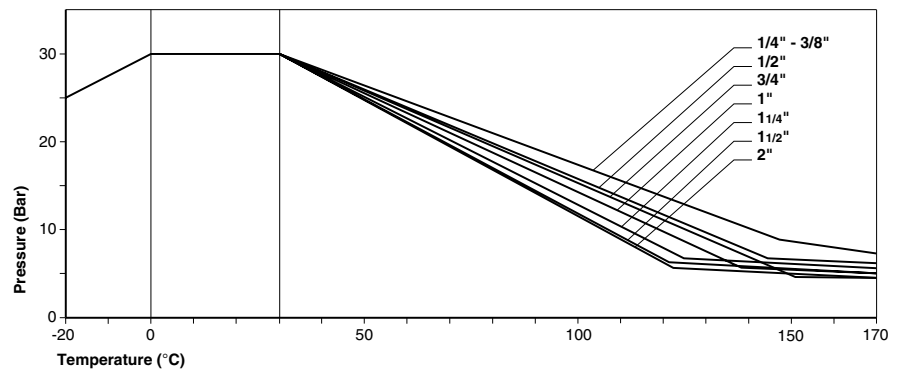


Parker Metric Ball Valves Series BVGL

Principle

Parker BVGL series valves are designed for use in fluid and gas applications and are DVGW approved. The valve dimensions are in accordance with DIN3357 for interchangeability and are available with BSPP female/female* long threads to DIN 2999 / ISO228. These full flow ball valves have a chrome plated ball with a double PTFE seal system enabling the valve to be used with flow in either direction. All seals are treated with a silicone free lubricant enabling the valves to be used in water based paint spray applications. BVGL series valves are fitted with an anti-extrusion stem with two Viton seals for maximum safety and performance. After assembly all valves are 100% pressure tested twice to ensure zero leakage. For other thread configurations please consult us.

Operating pressures and temperatures

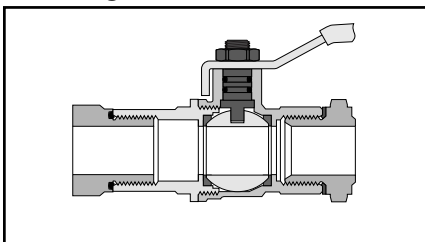


N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

Technical Features

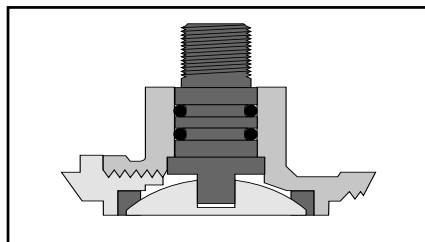
BODY	LEVER HANDLE	COMPACT HANDLE	ANTI EXTRUSION STEM	STEM SEAL	BALL	ANTI FRICTION RING	FORCING NUT	VALVE DIMENSIONS
Brass Nickel Plated to DIN 17660 and UNI 5705 Spec.	Carbon Steel with Yellow PVC Coating	Aluminum with Yellow Epoxy Coating	Brass Nickel Plated	Two Viton* O-Rings	Brass Chrome Plated	PTFE	Brass Nickel Plated	In Accordance with DIN 3357

Advantages



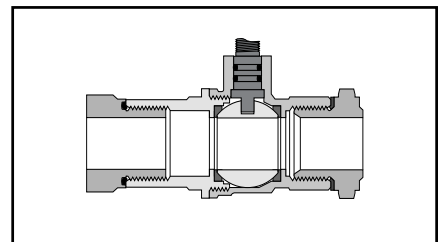
Long female threads

BVGL series valves are manufactured with long female threads in accordance to DIN 2999/ISO 228. This enables the valves to be used with Prestolok, Metru-Lok and brass adaptors but also Parker's range of steel hydraulic fittings, e.g. Triple-Lok, O-Lok, EO, and BSPP coned adaptors.



Anti extrusion stem

The BVGL series ball valves are fitted with an anti extrusion stem to prevent blow out in the case of pressure peaks. The stem is sealed with two Viton O-rings for maximum safety and performance.

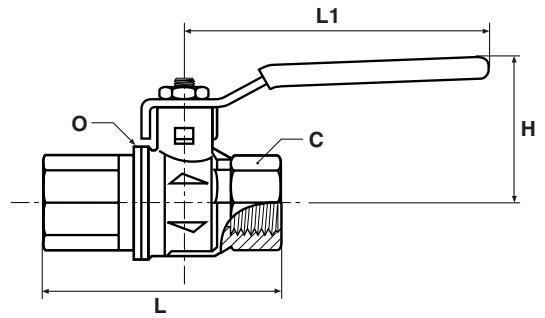


Full flow

All BVGL series valves are full-flow. This limits the turbulence created by the passage of fluid across the valve, minimizing pressure drop.

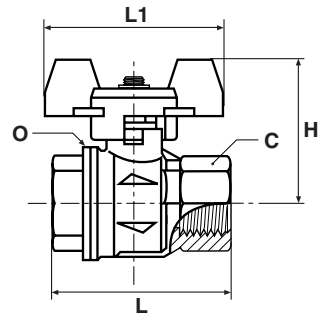
BVGL BSPP Female/ Female Valve With Lever Handle

PART NO.	DN MM	THREAD BSPP	C	H	L	L1	O
BVG4-1/4L	8	1/4	20	38	50	82	25.0
BVG4-3/8L	10	3/8	20	38	60	82	25.0
BVG4-1/2L	15	1/2	25	43	75	100	32.5
BVG4-3/4L	20	3/4	32	50	80	120	39.0
BVG4-1L	25	1	41	54	90	120	47.5
BVG4-1.1/4L	32	1 1/4	50	73	110	158	59.0
BVG4-1.1/2L	40	1 1/2	55	79	120	158	71.5
BVG4-2L	50	2	70	86	140	158	86.0

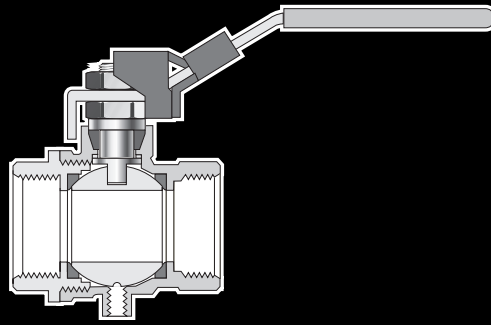


BVGTL BSPP Female/Female Valve With Compact Handle

PART NO.	DN MM	THREAD BSPP	C	H	L	L1	O
BVGT4-1/4L	8	1/4	20	39	50	50	25.0
BVGT4-3/8L	10	3/8	20	39	60	50	25.0
BVGT4-1/2L	15	1/2	25	43	75	50	32.5
BVGT4-3/4L	20	3/4	32	47	80	60	39.0
BVGT4-1L	25	1	41	51	90	60	47.5



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Parker Metric Ball Valves Series BVGPLOCK

Principle

Parker BVGPLOCK series of ball valves has been developed to meet the requirements of European Directive DI 89/392/CEE relating to the isolation of power supply and to meet the health and safety requirements for machines and materials in paragraphs L233-5 of the code du Travail.

The BVGPLOCK series of ball valves incorporate two specific safety features:

- An M5 threaded venting port enabling downstream pressure to be vented when the valve is closed.
- All valves are fitted with a locking mechanism enabling the valve to be padlocked in the closed position, thus preventing tampering or accidental opening of the valve during operation.

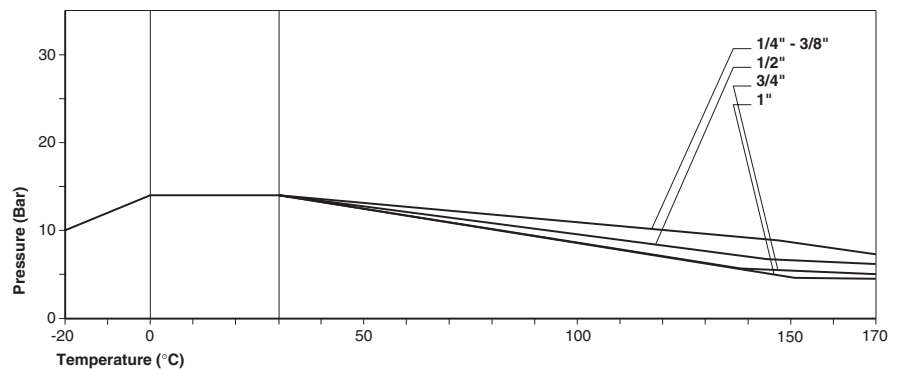
All seals are treated with a silicone free lubricant enabling them to be used in water based paint spray applications.

Technical Features

BODY	LEVER HANDLE	ANTI EXTRUSION STEM	STEM PACKING GLAND	BALL	ANTI FRICTION RING	FORCING NUT	VALVE DIMENSIONS	PRESSURE
Brass nickel plated to DIN17660 and UNI5705 spec.	Carbon steel with yellow PVC coating	Brass nickel plated	Tow Vitron®* O-rings	Brass chrome plated	PTFE	Brass nickel plated	In accordance with DIN3357	See chart below

*Vitron® is a registered trademark of DuPont de Nemours.

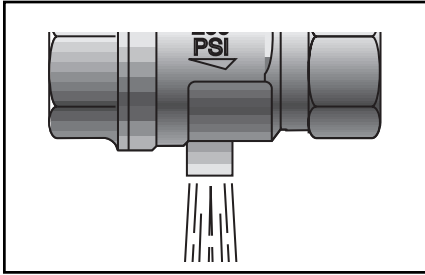
Operating pressures and temperatures



N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

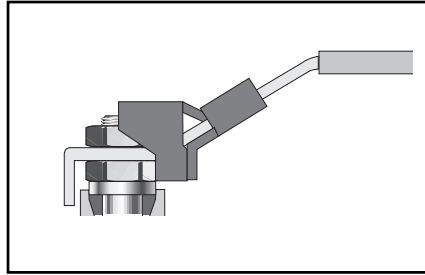


Advantages



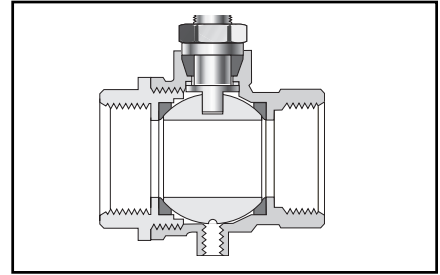
Threaded Exhaust

BVGPLOCK series ball valves are manufactured with an M5 threaded exhaust port, this safety feature enables the downstream air pressure to be vented when the valve is closed.



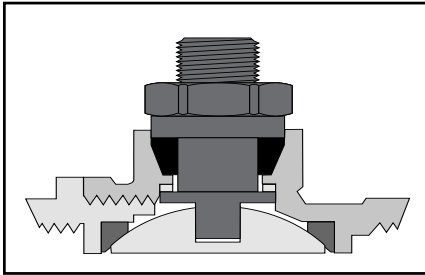
Lockable Handle

The BVGPLOCK series ball valves are fitted with a handle that can be locked in the closed position with a padlock. This safety feature ensures the valve cannot be accidentally opened, and only authorized personnel can operate the valve.



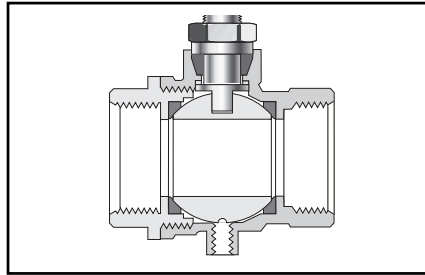
DIN 2999 / ISO 228 Female Threads

BVGPLOCK series valves are manufactured with long female threads in accordance to DIN2999/ISO228. This enables the valves to be used with Prestolok, Metrulok and brass adaptors but also Parker's range of steel hydraulic fittings and EO-fittings form "A" or "C" to DIN 3852.



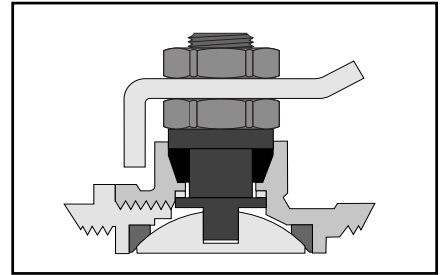
Anti Extrusion Stem

The BVGPLOCK series ball valves are fitted with an anti-extrusion stem to prevent blow out in the case of pressure peaks.



Full Flow

All BVGPLOCK series valves are full-flow. This limits the turbulence created by the passage of fluid across the valve, minimizing pressure drop.

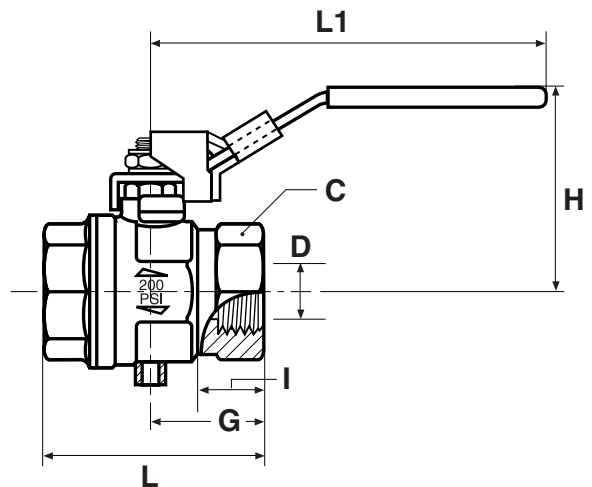


Adjustable Packing

The PTFE packing gland and adjustable washer are designed to give longer service life and lower operating torques.

BVG4PLOCK BSSP Female/Female, Vented, Locking Handle

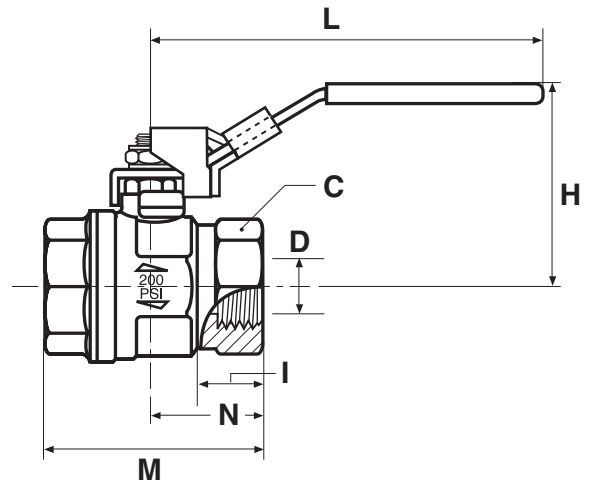
PART NO.	D FLOW Ø	THREAD BSSP	C	G	H	I	L	L1
BVG4P-1/4 LOCK	8.0	1/4	20	22.5	47.5	12.0	45	96
BVG4P-3/8 LOCK	9.5	3/8	20	22.5	47.5	12.0	45	96
BVG4P-1/2 LOCK	15.0	1/2	25	29.5	52.0	15.5	59	96
BVG4P-3/4 LOCK	19.0	3/4	31	32.0	59.5	17.0	64	117
BVG4P-1 LOCK	24.0	1	40	40.5	63.5	21.0	81	117
BVG4P-1 1/4LOCK	32.0	1-1/4	49	46.5	76.5	23.0	93	158
BVG4P-1 1/2LOCK	40.0	1-1/2	54	51.0	82.5	23.0	102	158
BVG4P-2LOCK	50.0	2	69	60.5	89.5	26.5	121	158

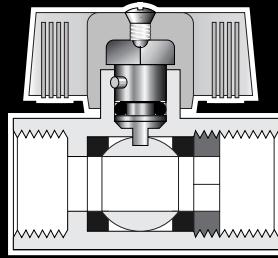


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BVG4-LOCK BSPP Female/Female, Locking Handle

PART NO.	D FLOW Ø	THREAD BSPP	C OCTAGON	H	L	M	N
BVG4-1/4 LOCK	8.0	1/4	20	46.5	96.0	50	22.6
BVG4-3/8 LOCK	9.5	3/8	20	46.5	96.0	60	22.6
BVG4-1/2 LOCK	15.0	1/2	25	51.3	96.0	75	29.5
BVG4-3/4 LOCK	19.0	3/4	31	59.5	117.1	80	32.0
BVG4-1 LOCK	24.0	1	40	63.5	117.1	90	40.4
BVG4-1 1/4LOCK	32.0	1-1/4	49	77.0	156.5	110	46.5
BVG4-1 1/2LOCK	40.0	1-1/2	54	83.0	156.5	120	51.1
BVG4-2LOCK	50.0	2	69	89.9	156.5	140	60.5



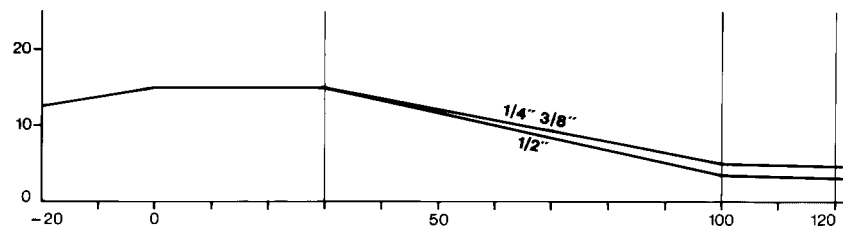


Parker Metric Ball Valves Series MBVG

Principle

The MBVG series ball valves with their compact design offer the solution to applications where space is an important factor. The body is of a particularly robust design. The integrity of the sealing on the ball is obtained by the use of PTFE seats. The valves are available with BSPP female threads ISO-228/1 (DIN 299) in : 1/4" & 3/8".

Operating pressures and temperatures



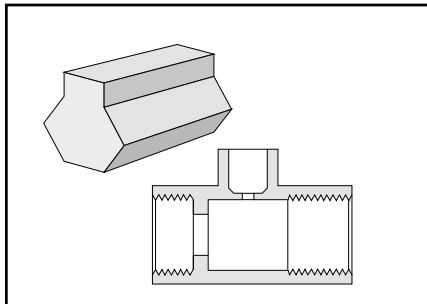
N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

Technical Features

BODY	HANDLE RETENTION SCREW	HANDLE	STEM	STEM SEAL	BALL	ANTI EXTRUSION GUIDE PIN	NUT	SEAT SEALS
Brass Chromium Plated	Brass Chromium Plated	Polyamide	Brass	Viton	Brass Chromium Plated	Stainless Steel	Brass	PTFE

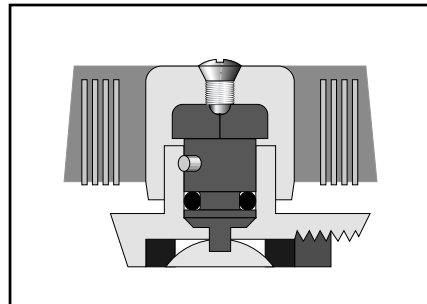
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Advantages



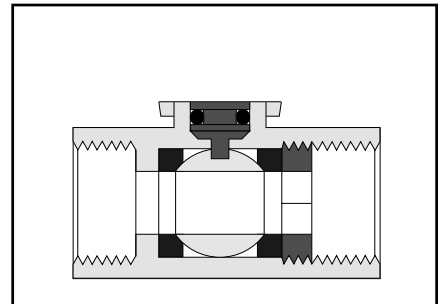
Design of the body

The valve is manufactured from a solid section which incorporates the stem housing in the body. This design allows excellent guidance of the stem, which increases its lifespan.



Stem tightness

A Viton O-Ring assembled under compression automatically compensates for minute friction wear. Thus a high standard of seal is attained.

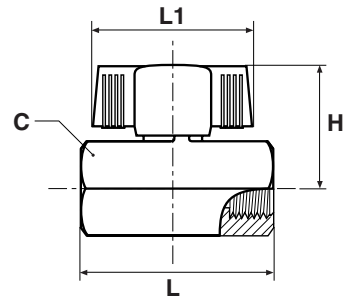


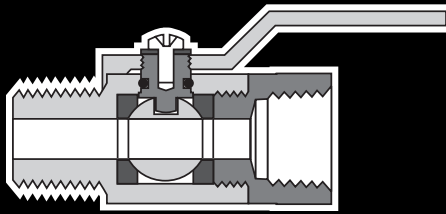
Tightness of the seals

The perfect tightness of the seals on the casing is obtained by the preset force of the nut, adjusted during assembly.

MBVG BSPP Female/Female Valve

PART NO.	DN MM	THREAD BSPP	C	H	L	L1
MBVG4-1/4	8	1/4	21	31.5	41.5	39
MBVG4-3/8	8	3/8	21	31.5	41.5	39
MBVG4-1/2	10	1/2	25	33.5	48.0	39





Micro Ball Valve Series 708 / 709

Advantages

The Parker Micro-Valve is designed to be used in confined and hard to reach applications. This miniature 2 way valve has a barstock body for extended service life and is offered with either male / female or female / female pipe ends. Features of the MV708 / 709 valves include chrome plate ball, PTFE seats, nitrile stem seal and a low profile chrome plated steel handle.

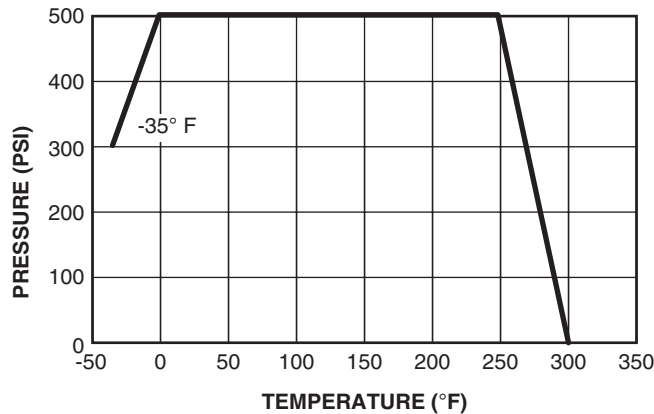
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and / or inability to turn the valve handle.

Working Pressure and Temperatures

These valves are designed and built for use at pressures and temperatures within the stated ranges. Consult the factory for any use outside of these ranges.

Vacuum to 29 inches Hg



Operating Instructions

Quarter turn is "ON" or "OFF".

(Provides positive stop action for full shutoff.)

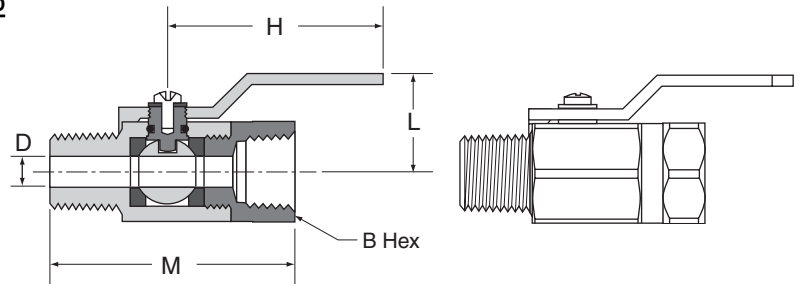
Style	Type	Size
MV	708 709	-4
Style	MV-Mini Valve	
Type	708 - Male / Female 709 - Female / Female	
Size	4-1/4"	

Flow data

VALVE SIZE	MV708 CV	MV709 CV
1/4	.95	.95

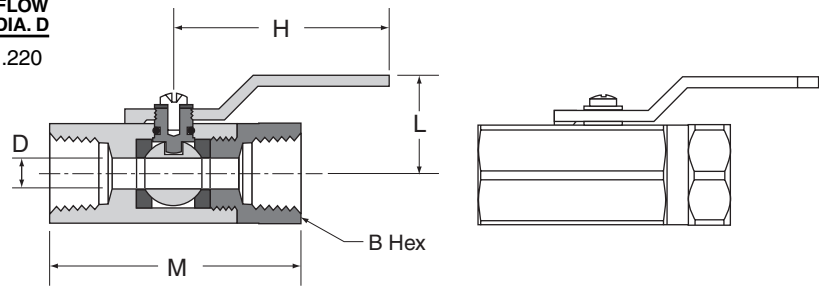
Male-Female Pipe Ends, Mini Ball Valve MV708

PART NO.	PIPE THREAD	B HEX	H	L	FLOW	
					M	DIA. D
MV708-4	1/4	11/16	1.50	.68	1.70	.220



Female Pipe Ends, Mini Ball Valve MV709

PART NO.	PIPE THREAD	B HEX	H	L	M	FLOW
						DIA. D
MV709-4	1/4	11/16	1.50	.68	1.75	.220



Replacement Handles

Valve	Plated Steel Lever w/Cover	S.S. Lever (No Cover)	S.S. Lever w/Cover	Tee (No Cover)	Oval (w/Cover)	Short Lever (No Cover)	Plated Steel Lkg. Lever w/Cover	S.S. Locking Lever w/Cover
XV500P (501,502,506,510,590,591)								
-4	2560-10082	2566-00105		2566-00147	2566-00215	2566-00231	2560-10080	2560-10081
-6	2560-10082	2566-00105		2566-00147	2566-00215	2566-00231	2560-10080	2560-10081
-8	2560-10082	2566-00105		2566-00147	2566-00215	2566-00231	2560-10080	2560-10081
-12	2560-10097	2566-00178		2566-00179	2566-00180	—	2560-10100	2560-10101
-16	2560-10097	2566-00178		2566-00179	2566-00180	—	2560-10100	2560-10101
-20	2566-00143	2566-00153		—	—	2566-00142	2566-00135	—
-24	2566-00143	2566-00153		—	—	2566-00142	2566-00135	—
-32	2566-00143	2566-00153		—	—	2566-00142	2566-00135	—
XV501SS & XV502SS								
-4	—		2566-00132	—	2566-00108	2566-00146	—	2566-00138
-6	—		2566-00132	—	2566-00108	2566-00146	—	2566-00138
-8	—		2566-00132	—	2566-00108	2566-00146	—	2566-00138
-12	—		2566-00133	—	2566-00109	—	—	2566-00184
-16	—		2566-00133	—	2566-00109	—	—	2566-00184
XV502SS								
-20	—		2566-00134	—	2566-00110	—	—	2566-00185
-24	—		2566-00134	—	2566-00110	—	—	2566-00185
-32	—		2566-00134	—	2566-00110	—	—	2566-00185
XV504SS & XV506SS								
-4			2566-00132		2566-00108			2566-00138
-6			2566-00132		2566-00108			2566-00138
XV506SS-8			256600132		2566-00108			2566-00138
XV504SS-8			256600133		2566-00109			2566-00184
-12			256600133		2566-00109			2566-00184
-16			256600133		2566-00109			2566-00184
-20			2566-00187		2566-00110			2566-00185
-24			2566-00187		2566-00110			2566-00185
-32			2566-00187		2566-00110			2566-00185
XV500CS & XV502CS								
-4	2566-00158			2566-00170	2566-00166		2566-00162	
-6	2566-00158			2566-00170	2566-00166		2566-00162	
-8	2566-00158			2566-00171	2566-00166		2566-00162	
-12	2566-00159			2566-00172	2566-00167		2566-00163	
-16	2566-00159			2566-00172	2566-00167		2566-00163	
-20	2566-00160				2566-00168		2566-00164	
-24	2566-00160				2566-00168		2566-00164	
-32	2566-00161				2566-00169		2566-00165	
XV506CS								
-4	2566-00158				2566-00166		2566-00162	
-6	2566-00158				2566-00166		2566-00162	
-8							2566-00234	
-12	—						2566-00235	
-16	—						2566-00236	

Replacement Handle Nuts

Valve	Plated Steel	Stainless Steel
XV500P-4	2567-00020	2567-00023
XV500P-6	2567-00020	2567-00023
XV500P-8	2567-00020	2567-00023
XV500P-12	2567-00055	2567-00057
XV500P-16	2567-00055	2567-00057
XV500P-20	2567-00051	2567-00052
XV500P-24	2567-00051	2567-00052
XV500P-32	2567-00051	2567-00052

Replacement Handle Covers

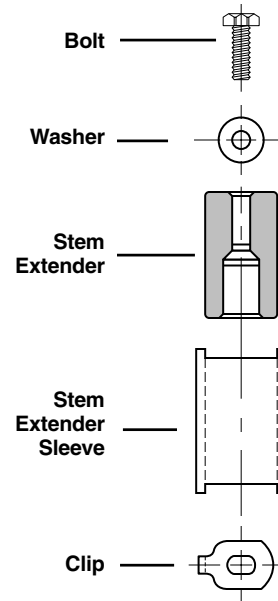
Valve	Lever	Short Lever	Tee
XV500P-4	2569-00108		2569-00155
XV500P-6	2569-00108		2569-00155
XV500P-8	2569-00108		2569-00155
XV500P-12	2569-00296		2569-00155
XV500P-16	2569-00296		2569-00155
XV500P-20	2569-00229	2569-00234	
XV500P-24	2569-00229	2569-00234	
XV500P-32	2569-00229	2569-00234	
XV502SS-4		2569-00203	
XV502SS-6		2569-00203	
XV502SS-8		2569-00203	



STX	Stem Extension Kit
P	For use on Brass Ball Valves
1	1: 1/4" thru 1/2" valves 2: 3/4" thru 1" valves
125	125: 1-1/4" extension length 225: 2-1/4" extension length

STX	Stem Extension Kit
SS	For use on Stainless Steel Ball Valves
1	1: 1/4" thru 1/2" valves 2: 3/4" thru 1" valves 3: 1-1/4"-2" valves
125	125: 1-1/4" extension length 225: 2-1/4" extension length

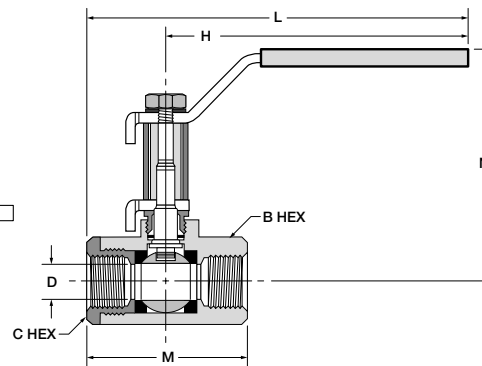
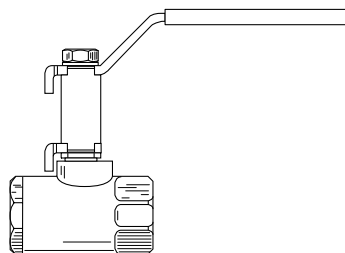
All stem extension kit componentry is made from high quality, corrosion resistant stainless steel



Brass Valve Extension Dimensions STX-P-1-125

PART NO.	VALVE SIZE	B HEX	C HEX	H	L	M	N	D FLOW Ø
STX-P-1-125	1/4	15/16	15/16	3.96	4.96	2.03	3.73	.375
STX-P-1-125	3/8	15/16	15/16	3.96	4.96	2.03	3.73	.375
STX-P-1-125	1/2	1-1/16	1-1/16	3.96	5.05	2.20	3.84	.500
STX-P-2-125	3/4	1-1/4	1-5/16	3.96	5.25	2.42	4.06	.685
STX-P-2-125	1	1-1/2	1-9/16	3.96	5.89	2.75	4.33	.875

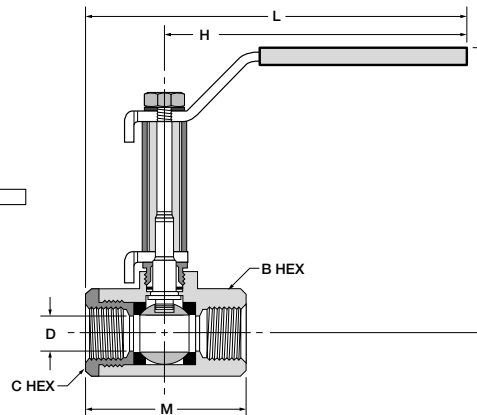
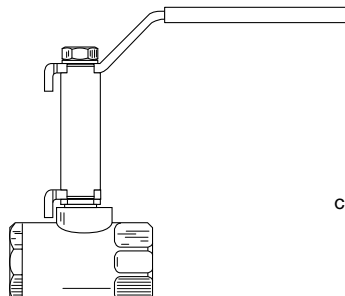
Note: Drawing shows STX-P assembled to XV500P series-not included



Brass Valve Extension Dimensions STX-P-1-225

PART NO.	VALVE SIZE	B HEX	C HEX	H	L	M	N	D FLOW Ø
STX-P-1-225	1/4	15/16	15/16	3.96	4.96	2.03	4.73	.375
STX-P-1-225	3/8	15/16	15/16	3.96	4.96	2.03	4.73	.375
STX-P-1-225	1/2	1-1/16	1-1/16	3.96	5.05	2.20	4.84	.500
STX-P-2-225	3/4	1-1/4	1-5/16	3.96	5.25	2.42	5.06	.685
STX-P-2-225	1	1-1/2	1-9/16	3.96	5.89	2.75	5.33	.875

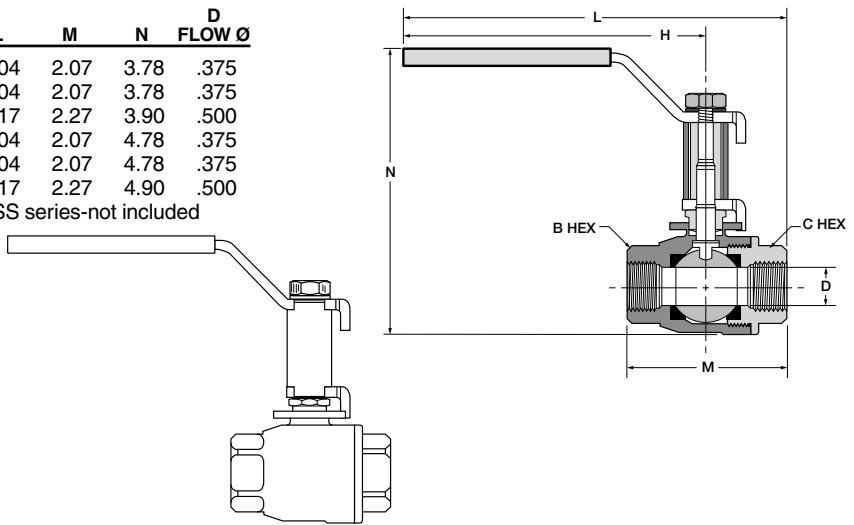
Note: Drawing shows STX-P assembled to XV500P series-not included



Stainless Steel Valve Extension Dimensions STX-SS-1-X

PART NO.	VALVE SIZE	B HEX	C HEX	H	L	M	N	D FLOW Ø
STX-SS-1-125	1/4	15/16	15/16	4.00	5.04	2.07	3.78	.375
STX-SS-1-125	3/8	15/16	15/16	4.00	5.04	2.07	3.78	.375
STX-SS-1-125	1/2	1-1/16	1-1/16	4.00	5.17	2.27	3.90	.500
STX-SS-1-225	1/4	15/16	15/16	4.00	5.04	2.07	4.78	.375
STX-SS-1-225	3/8	15/16	15/16	4.00	5.04	2.07	4.78	.375
STX-SS-1-225	1/2	1-1/16	1-1/16	4.00	5.17	2.27	4.90	.500

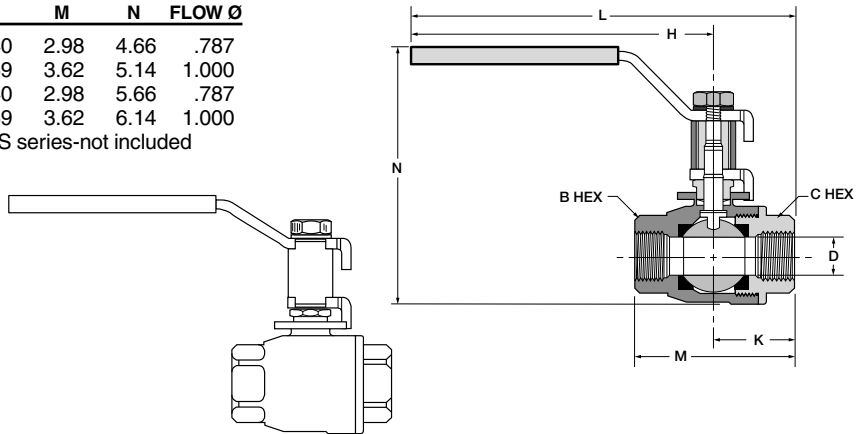
Note: Drawing shows STX-SS assembled to XV502SS series-not included



Stainless Steel Valve Extension Dimensions STX-SS-2-X

PART NO.	VALVE SIZE	B/C HEX	H	K	L	M	N	D FLOW Ø
STX-SS-2-125	3/4	1-1/16	4.94	1.52	6.40	2.98	4.66	.787
STX-SS-2-125	1	1-5/8	4.94	1.88	6.69	3.62	5.14	1.000
STX-SS-2-225	3/4	1-1/16	4.94	1.52	6.40	2.98	5.66	.787
STX-SS-2-225	1	1-5/8	4.94	1.88	6.69	3.62	6.14	1.000

Note: Drawing shows STX-SS assembled to XV500SS series-not included

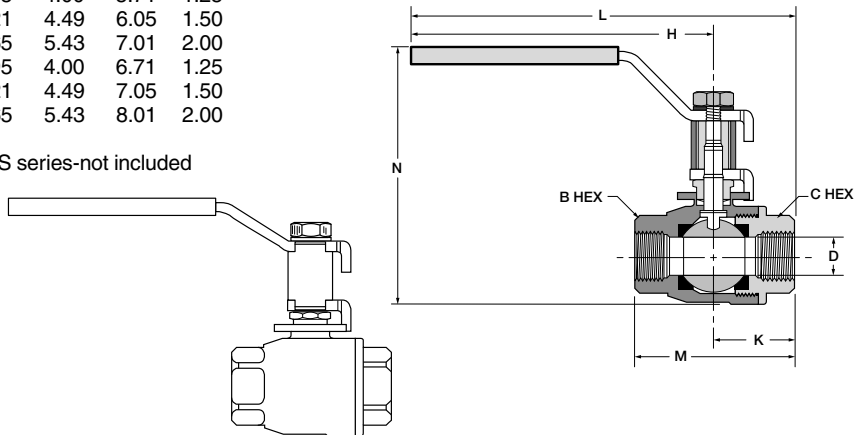


Stainless Steel Valve Extension Dimensions STX-SS-3-X

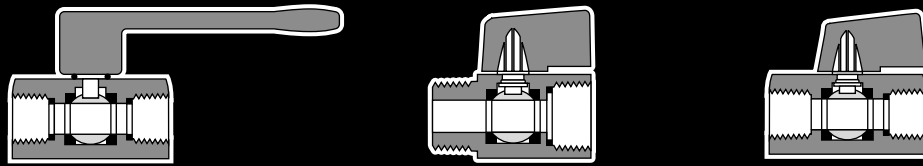
PART NO.	VALVE SIZE	B/C OCT	H	K	L	M	N	D FLOW Ø
STX-SS-3-125	1-1/4	2*	6.94	2.00	8.95	4.00	5.71	1.25
STX-SS-3-125	1-1/2	2-3/8	6.94	2.22	9.21	4.49	6.05	1.50
STX-SS-3-125	2	2-3/4	6.94	2.73	9.65	5.43	7.01	2.00
STX-SS-3-225	1-1/4	2*	6.94	2.00	8.95	4.00	6.71	1.25
STX-SS-3-225	1-1/2	2-3/8	6.94	2.22	9.21	4.49	7.05	1.50
STX-SS-3-225	2	2-3/4	6.94	2.73	9.65	5.43	8.01	2.00

*Hex bolt

Note: Drawing shows STX-SS assembled to XV500SS series-not included



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Mini Ball Valves Series 200/608/609

Advantages

The Parker Mini-Valve is to be used in confined and hard to reach applications. The Brass extruded body allows for extended service life and is chrome plated as standard. Features of the MV608/609 valves include blowout proof stem, hard chrome plate ball, PTFE seats, viton stem seals, and standard yellow handle. MV200 valve features a black lever handle. This economical ball valve is available in 1/8", 1/4", 3/8" and 1/2" sizes.

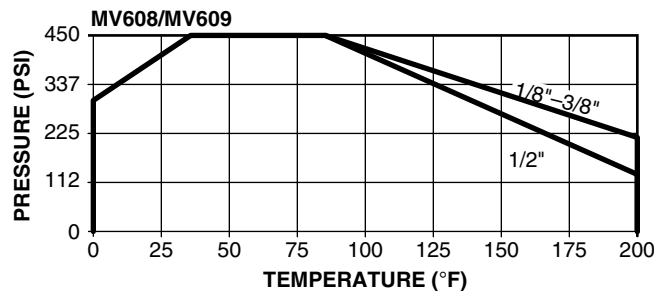
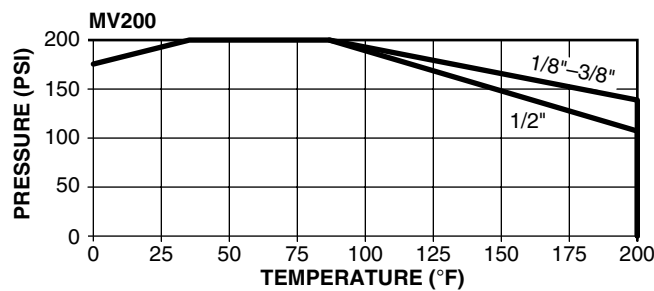
Applications

Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the valve handle.

For use on water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

Working Pressure and Temperatures

These valves are designed and built for use at pressures and temperatures within the stated ranges. Consult the factory for any use outside of these ranges.



Operating Instructions

Quarter turn is "ON" or "OFF".
(Provides Positive stop action for full shutoff.)

Style	Type	Size
MV	608 609	-2
Style	MV-Mini Valve	
Type	608-Male/Female 609-Female/Female	
Handle Color	MV200 features a black lever handle MV608/MV609 features-yellow wedge handles	
Size	2-1/8" 4-1/4" 6-3/8" 8-1/2"	

Style	Type	Size
MV	200	-2
Style	MV-Mini Valve	
Type	200-Female/Female Lever Handle	
Size	2-1/8" 4-1/4" 6-3/8" 8-1/2"	

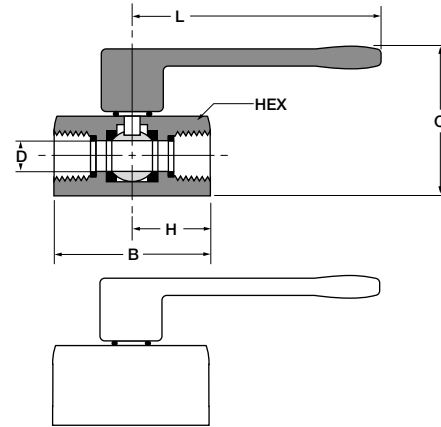
Flow data

VALVE SIZE	MV200 CV	MV608 CV	MV609 CV
1/8	1.3	1.2	1.4
1/4	4.0	5.8	4.3
3/8	3.7	3.9	3.6
1/2	5.8	5.6	6.0

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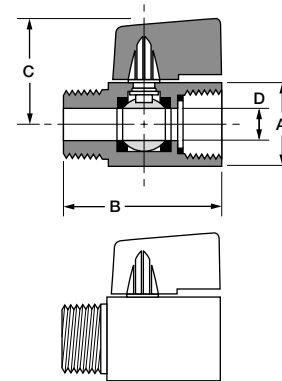
Female Pipe Ends, Lever Handle, Mini Ball Valve MV200

PART NO.	PIPE THREAD	HEX	B	C	H	L	FLOW DIA.D
MV200-2	1/8	.83	1.71	1.20	.91	2.83	.31
MV200-4	1/4	.83	1.71	1.20	.91	2.83	.31
MV200-6	3/8	.83	1.71	1.20	.91	2.83	.31
MV200-8	1/2	.98	2.11	1.28	1.10	2.83	.39



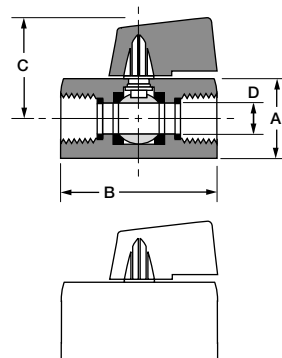
Male-Female Pipe Ends, Compact Handle, Mini Ball Valve MV608

PART NO.	PIPE THREAD	A HEX	B	C	FLOW DIA.D
MV608-2	1/8	.83	1.72	1.12	.240
MV608-4	1/4	.83	1.72	1.12	.300
MV608-6	3/8	.83	1.72	1.12	.300
MV608-8	1/2	.98	2.11	1.20	.380

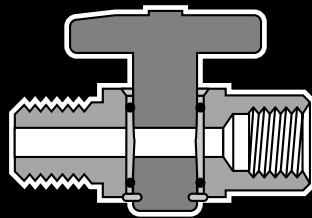


Female Pipe Ends, Compact Handle, Mini Ball Valve MV609

PART NO.	PIPE THREAD	A HEX	B	C	FLOW DIA.D
MV609-2	1/8	.83	1.72	1.12	.240
MV609-4	1/4	.83	1.72	1.12	.300
MV609-6	3/8	.83	1.72	1.12	.300
MV609-8	1/2	.98	2.11	1.20	.380
MV609-6-4	3/8x1/4	.83	1.72	1.12	.300



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Plug Valves Series PV

Advantages

Compact design features internal nitrile seals and a one-piece extruded brass body, offering compatibility with a wide range of media. The one-piece stem/handle combination is constructed of glass reinforced acetal copolymer. Parker plug valves feature 1/4 turn shutoff allowing for ease of operation. All plug valves are 100% leak tested and are certified to be leak free to one SCCM.

Materials

Extruded Bodies: CA 360
 Stem/Handle: Acetal Copolymer
 O-Rings: Nitrile (other compounds available)
 Stop Pin: 420SS
 Spiral Ring: 302SS

Temperature and Working Pressure Ranges

From -40° to +175°F at 250 PSI maximum.

Applications

Manufactured for use with air, water, oil and certain other fluids. Contact factory for special fluid requirements

Installation Instructions

To assure sealability and reliable performance, the valve must be installed so that the flow media travels in the direction of the arrow on the valve handle.

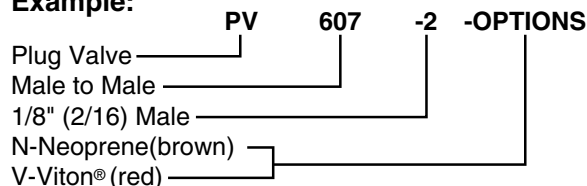
Order

By part number and name.

Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

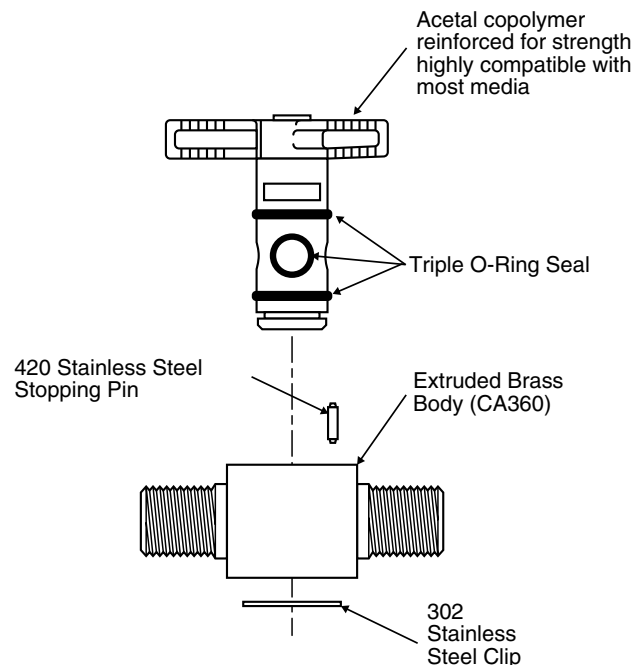
Example:



Special Valves

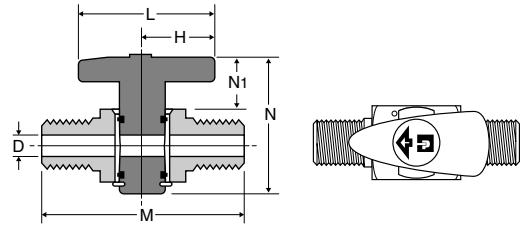
Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry.

Features



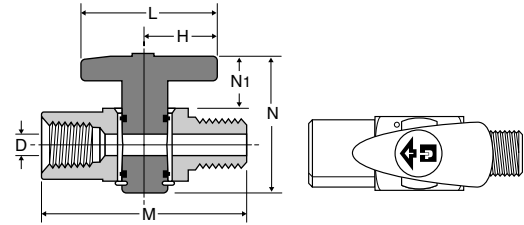
Male Pipe to Male Pipe Plug Valve PV607

PART NO.	PIPE THREAD	H	L	M	N	N1	FLOW DIA. D
PV607-2	1/8	.67	1.34	1.66	1.38	.51	.200
PV607-4	1/4	.67	1.34	2.02	1.38	.51	.200



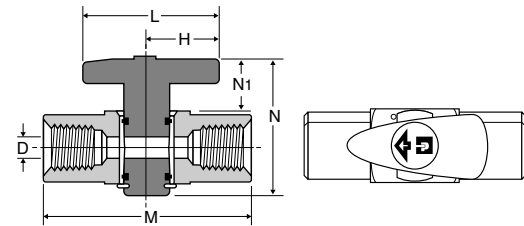
Female Pipe to Male Pipe Plug Valve PV608

PART NO.	PIPE THREAD	H	L	M	N	N1	FLOW DIA. D
PV608-2	1/8	.67	1.34	1.67	1.38	.51	.200
PV608-4	1/4	.67	1.34	2.06	1.38	.51	.200



Female Pipe to Female Pipe Plug Valve PV609

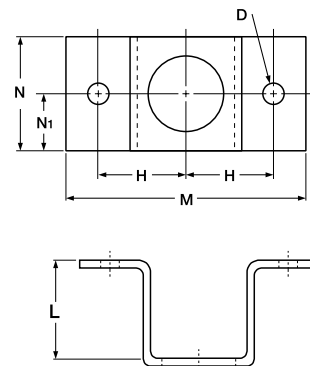
PART NO.	PIPE THREAD	H	L	M	N	N1	FLOW DIA. D
PV609-2	1/8	.67	1.34	1.68	1.38	.51	.200
PV609-4	1/4	.67	1.34	2.10	1.38	.51	.200

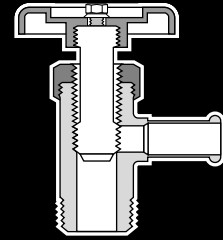
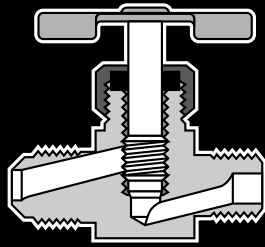


Mounting Bracket PVMB-001

PART NO.	H	L	M	N	N1	D
PVMB-001	.68	.75	1.86	.90	.45	.135

Note: 1" diameter hole required in panel when using mounting bracket





Needle Valves, Truck Valves, Lanyard Valve

Advantages

Parker Needle and Truck Valves have metal-to-metal seats, with fine-thread screwdown. This enables positive sealing up to the capacity of the valve.

The Lanyard Valves' compact design is ideally suited for releasing condensate from air tanks. Available with various lengths of cable. Brass construction with specially formulated low temperature seal which remains elastic to temperatures as low as -40°F. It is manufactured for use with low pressure air systems such as air tanks on heavy trucks. Consult division for use with other fluids.

Working Pressure and Temperature

Valves are designed to withstand up to 150 PSI working pressure, unless otherwise noted. See specific part number for temperature range.

Needle Valves Installation Instructions

Series NV valves should always be installed with the pressure against the seat. Refer to drawing to determine correct direction of flow.

Lanyard Valve Operating Instructions

A pulling action exerted on the cable cocks the stem, allowing condensate to pass through the valve. Releasing the cable resets the stem which returns the valve to its closed position.

Order

By part number and name.

Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

Example:	NV	101	F	-4	-2
Needle Valve	_____	_____	_____	_____	_____
Angle Needle Valve	_____	_____	_____	_____	_____
Flared to Male Pipe	_____	_____	_____	_____	_____
1/4" (4/16) Tube O.D.	_____	_____	_____	_____	_____
1/8" (2/16) Pipe Thread	_____	_____	_____	_____	_____

Example:	LV91	-4	-060
Lanyard Valve	_____	_____	_____
1/4" Pipe Thread	_____	_____	_____
Length of Cable in inches	_____	_____	_____

Special Valves

Valve configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry.

Pricing

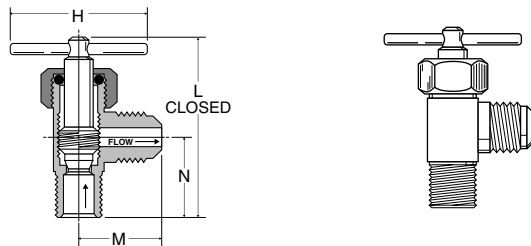
Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

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Angle Needle Valve NV101F

Flare to Male Pipe
 Temperature Range: -45° to +250° F

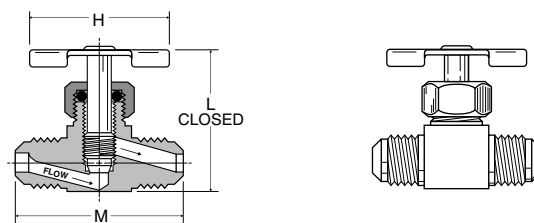
PART NO.	TUBE SIZE	PIPE THREAD	H	L	M	N
NV101F-4-2	1/4	1/8	1.50	1.58	.75	.66
NV101F-6-4	3/8	1/4	1.38	1.86	.95	.90



Needle Valve NV102F

Flare to Flare *Provided with Pin Handle
 Temperature Range: -45° to +250° F

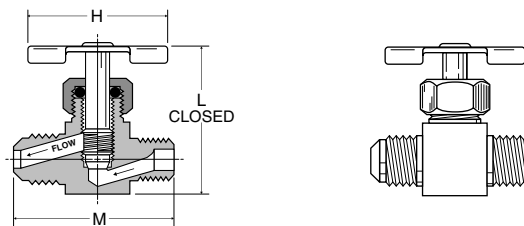
PART NO.	TUBE SIZE	H	L	M
NV102F-4*	1/4	1.50	1.34	1.50
NV102F-6	3/8	1.38	1.55	1.86



Needle Valve NV103F

Flare to Male Pipe *Provided with Pin Handle
 Temperature Range: -45° to +250° F

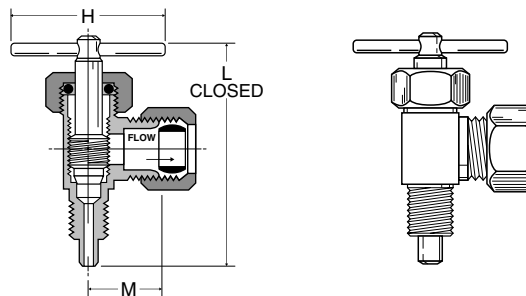
PART NO.	TUBE SIZE	PIPE THREAD	H	L	M
NV103F-4-2*	1/4	1/8	1.50	1.33	1.35
NV103F-6-4	3/8	1/4	1.38	1.56	1.73



Humidifier Valve HV104C

Temperature Range: -45° to +250° F

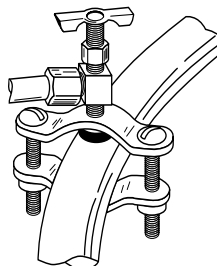
PART NO.	TUBE SIZE	PIPE THREAD	H	L	M
HV104C-4-2	1/4	1/8	1.50	1.89	.53



Humidifier Valve clamp kit HV104C-kit

Temperature Range: -30° to +250° F
 Clamp fits 3/8" O.D. through 1.315" O.D. tube or pipe. Kit includes 60PT-4 and 63PT-4 for assembly with plastic or nylon tubing. For complete kit, specify entire part number as shown below:

PART NO.	TUBE SIZE	PIPE THREAD
HV104C-4-2 KIT	1/4	1/8

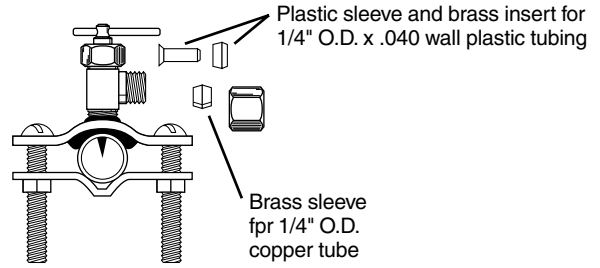


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Self-Piercing Humidifier Valve clamp kit SPV104C-kit

Temperature Range: -30° to +250° F
 Clamp fits 3/8" O.D. through 1.315" O.D. tube or pipe. Kit includes 60PT-4 and 63PT-4 for assembly with plastic or nylon tubing. For complete kit, specify entire part number as shown below:

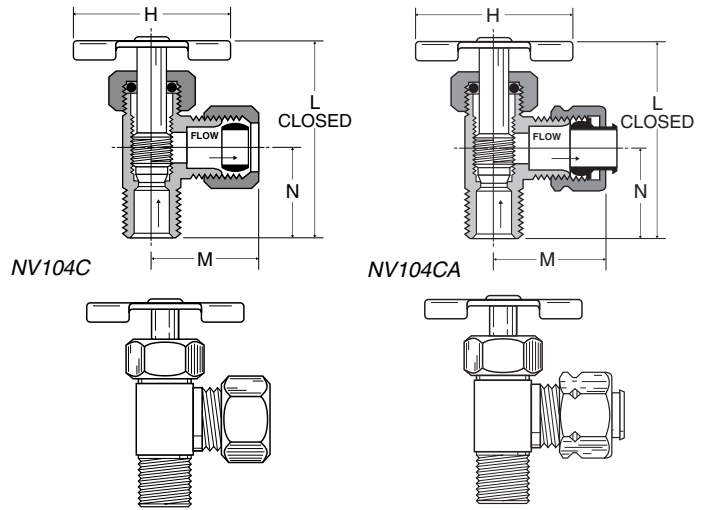
PART NO.	TUBE SIZE	PIPE THREAD
SPV104C KIT	1/4	1/8



Angle Needle Valve NV104C-NV104CA

Compression to Male Pipe *Provided with Pin Handle
 Temperature Range: -45° to +250° F

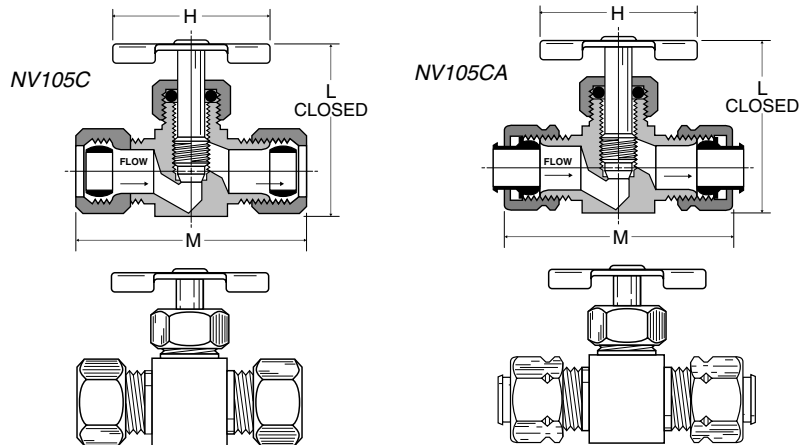
PART NO.	TUBE SIZE	PIPE THREAD	H	L	M	N
NV104C-4-2*	1/4	1/8	1.50	1.54	.88	.67
NV104CA-4-2*	1/4	1/8	1.50	1.49	.77	.66
NV104C-4-4	1/4	1/4	1.38	1.80	.93	.75
NV104C-5-2*	5/16	1/8	1.50	1.63	.88	.68
NV104C-6-4	3/8	1/4	1.38	1.76	.94	.81



Needle Valve NV105C-NV105CA

Compression to Compression *Provided with Pin Handle
 Temperature Range: -45° to +250° F

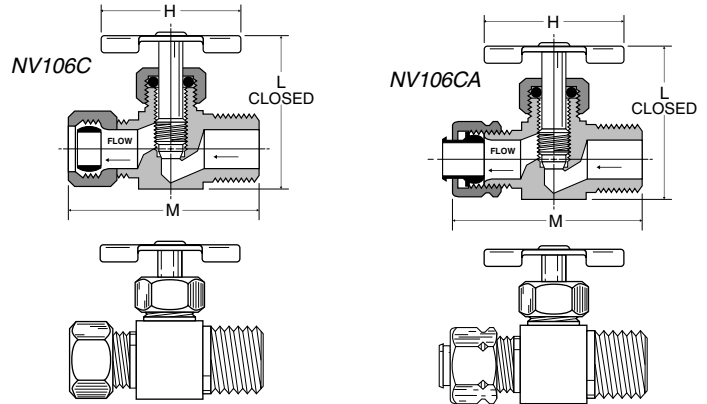
PART NO.	TUBE SIZE	H	L	M
NV105C-4*	1/4	1.50	1.41	1.75
NV105C-5*	5/16	1.50	1.35	1.73
NV105C-6	3/8	1.38	1.55	1.93
NV105CA-4*	1/4	1.50	1.41	1.64
NV105CA-6	3/8	1.38	1.55	1.78



Needle Valve NV106C-NV106CA

Compression to Male Pipe *Provided with Pin Handle
 Temperature Range: -45° to +250° F

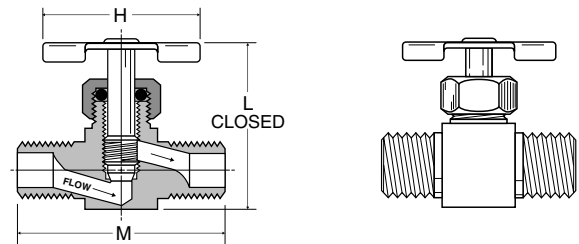
PART NO.	TUBE SIZE	PIPE THREAD	H	L	M
NV106C-4-2*	1/4	1/8	1.50	1.41	1.53
NV106C-4-4*	1/4	1/4	1.50	1.40	1.55
NV106C-5-2*	5/16	1/8	1.50	1.35	1.50
NV106C-6-4	3/8	1/4	1.38	1.56	1.75
NV106CA-4-2	1/4	1/8	1.50	1.41	1.47
NV106CA-4-4*	1/4	1/4	1.50	1.33	1.52
NV106CA-6-4	3/8	1/4	1.38	1.53	1.78



Needle Valve NV107P

Male Pipe to Male Pipe *Provided with Pin Handle
 Temperature Range: -45° to +250° F

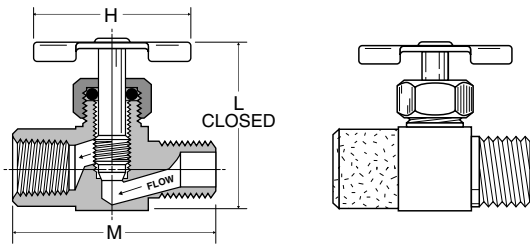
PART NO.	PIPE THREAD	H	L	M
NV107P-2*	1/8	1.50	1.35	1.25
NV107P-4	1/4	1.38	1.54	1.65



Needle Valve NV108P

Female Pipe to Male Pipe *Provided with Pin Handle
 Temperature Range: -45° to +250° F

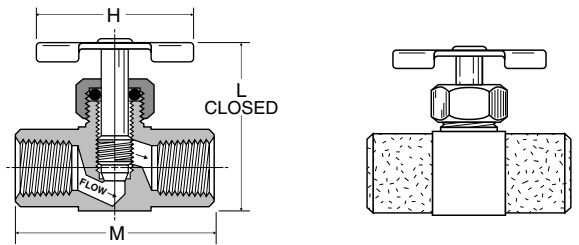
PART NO.	PIPE THREAD	H	L	M
NV108P-2*	1/8	1.50	1.36	1.25
NV108P-4	1/4	1.38	1.56	1.61



Needle Valve NV109P

Female Pipe to Female Pipe *Provided with Pin Handle
 Temperature Range: -45° to +250° F

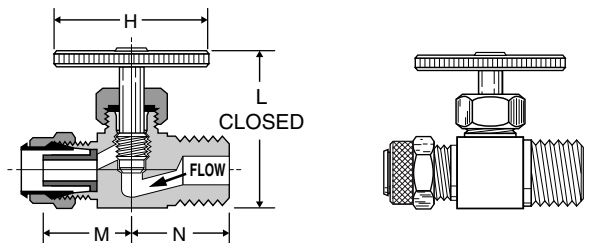
PART NO.	PIPE THREAD	H	L	M
NV109P-2*	1/8	1.50	1.35	1.25
NV109P-4	1/4	1.38	1.53	1.62



Needle Valve NV311P

Poly-Tite to Male Pipe
 Temperature Range: 0° to +150° F

PART NO.	TUBE SIZE	PIPE THREAD	H	L	M	N
NV311P-4-2	1/4	1/8	1.07	1.17	.50	.63
NV311P-4-4	1/4	1/4	1.07	1.18	.50	.72
NV311P-6-4	3/8	1/4	1.07	1.19	.56	.72

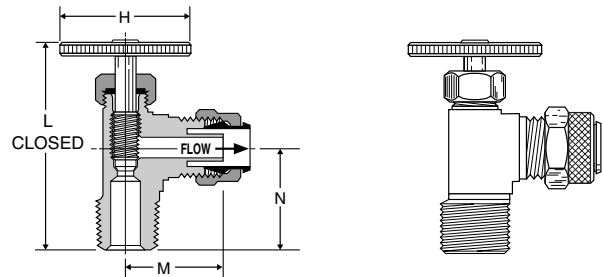


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Angle Needle Valve NV312P

Ploy-Tite to Male Pipe
 Temperature Range: 0° to +150° F

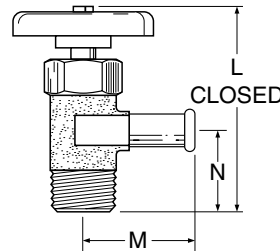
PART NO.	TUBE SIZE	PIPE THREAD	H	L	M	N
NV312P-4-2	1/4	1/8	1.07	1.53	.48	.68
NV312P-4-4	1/4	1/4	1.07	1.72	.56	.86
NV312P-6-4	3/8	1/4	1.07	1.68	.64	.86



Truck Valve V404P

Hose to Male Pipe
 Temperature Range: -30° to +250° F

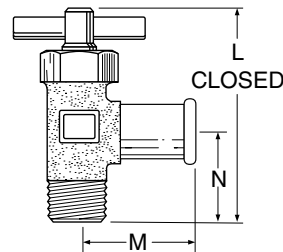
PART NO.	HOSE I.D.	PIPE THREAD	FLOW	L	M	N
V404P-6-6	3/8	3/8	.281	2.35	1.36	.94
V404P-10-6	5/8	3/8	.406	2.75	1.31	1.15



Truck Valve V404PH

Hose to Male Pipe with Pin Handle
 Temperature Range: -30° to +250° F

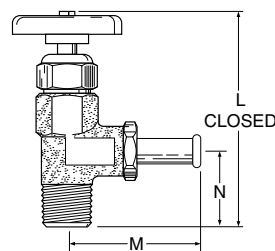
PART NO.	HOSE I.D.	PIPE THREAD	FLOW	L	M	N
V404PH-10-6	5/8	3/8	.406	2.47	1.31	1.09



Truck Valve SV404P

Hose to Male Pipe
 Temperature Range: -30° to +250° F

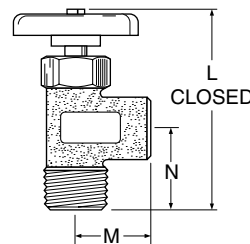
PART NO.	HOSE I.D.	PIPE THREAD	FLOW	L	M	N
SV404P-10-8	5/8	1/2	.468	3.71	2.31	1.34
SV404P-12-6	3/4	3/8	.438	3.73	2.31	1.34
SV404P-12-8	3/4	1/2	.562	3.73	2.31	1.34



Truck Valve V405P

Female Pipe to Male Pipe
 Temperature Range: -30° to +250° F

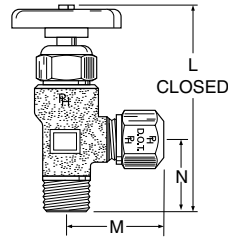
PART NO.	FEMALE PIPE THREAD	MALE PIPE THREAD	FLOW	L	M	N
V405P-6-6	3/8	3/8	.406	2.72	.91	1.19
V405P-6-8	3/8	1/2	.406	2.95	.91	1.31
V405P-8-8	1/2	1/2	.562	3.15	1.17	1.34



Truck Valve V408NTA

Tube to Male Pipe
 Temperature Range: -30° to +250° F

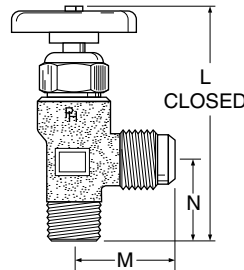
PART NO.	TUBE SIZE	PIPE THREAD	FLOW	L	M	N
V408NTA-8-8	1/2	1/2	.328	3.28	1.15	1.19



Truck Valve V409F

Flare to Male Pipe
 Temperature Range: -30° to +250° F

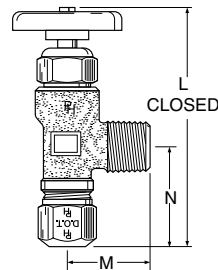
PART NO.	TUBE SIZE	PIPE THREAD	FLOW	L	M	N
V409F-8-6	1/2	3/8	.406	3.07	1.31	1.00
V409F-8-8	1/2	1/2	.406	3.28	1.31	1.19
V409F-10-8	5/8	1/2	.500	3.47	1.50	1.25
V409F-12-8	3/4	1/2	.562	3.70	2.31	1.34



Truck Valve V410NTA

Tube to Male Pipe
 Temperature Range: -30° to +250° F

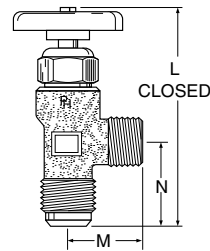
PART NO.	TUBE SIZE	PIPE THREAD	FLOW	L	M	N
V410NTA-8-8	1/2	1/2	.328	3.58	1.38	1.31



Truck Valve V412F

Tube to Male Pipe
 Temperature Range: -30° to +250° F

PART NO.	TUBE SIZE	PIPE THREAD	FLOW	L	M	N
V412F-10-8	5/8	1/2	.500	3.60	1.38	1.31

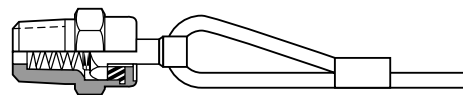


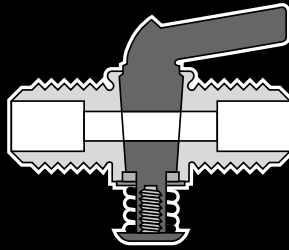
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Lanyard Valve LV91

Temperature Range: -40° to +200° F

PART NO.	PIPE THREAD	CABLE LENGTH INCHES
LV91-4-036	1/4	36
LV91-4-048	1/4	48
LV91-4-060	1/4	60





Drain Cocks/Ground Plug Shutoff

Drain Cock Advantages

Both external-seat and internal-seat drain cocks are manufactured to the highest quality standards. Hand-tightening provides a metal-to-metal seal.

Ground Plug Shutoff Advantages

These economical valves are available in several styles. Brass castings or forged bodies for extra strength.

Applications

Manufactured for use with low pressure air, water, gas and certain other fluids. (Note: lubricant may not be compatible with some fluids, contact factory for special fluid requirements.)

Temperature and Working Pressure Ranges

System temperature and the type of tubing used should be considered. Ground plug shutoffs are designed to withstand 30 PSI working pressure. Drain cocks are designed to withstand 150 PSI working pressure, except where noted. See specific part number for temperature range.

Order

By part number and name.

Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

Example:

	DC	604	-2
Drain Cock	_____	_____	_____
External Seat	_____	_____	_____
1/8" (2/16) Pipe Thread	_____	_____	_____

Example:

	V	204	F	-4	-2
Valve	_____	_____	_____	_____	_____
Flared to Male Pipe	_____	_____	_____	_____	_____
Flared	_____	_____	_____	_____	_____
1/4" (4/16) Tube O.D.	_____	_____	_____	_____	_____
1/8" (2/16) Pipe Thread	_____	_____	_____	_____	_____

Sizes

Tube sizes are determined by the number of sixteenths of an inch in the tube O.D.

Special Valves

Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry.

Pricing

Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.

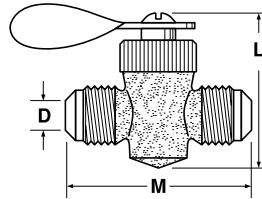
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Brass Shutoff V201F

Flare to Flare

Temperature Range: -40° to +250° F

PART NO.	TUBE SIZE	L	M	FLOW DIA. D
V201F-6-6	3/8	1.88	2.13	.250
V201F-8-8	1/2	1.98	2.30	.203

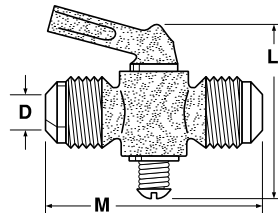


Ground Plug Shutoff V203F

Flare to Flare

Temperature Range: +32° to +125° F

PART NO.	TUBE SIZE	L	M	FLOW DIA. D
V203F-6-6	3/8	2.26	2.14	.220
V203F-8-8	1/2	2.26	2.42	.281

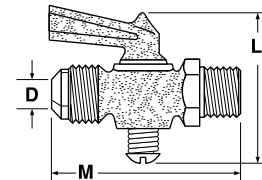


Ground Plug Shutoff V204F

Flare to Male Pipe

Temperature Range: +32° to +125° F

PART NO.	TUBE SIZE	PIPE THREAD	L	M	FLOW DIA. D
V204F-4-2	1/4	1/8	1.88	2.08	.180
V204F-6-4	3/8	1/4	2.27	2.05	.218

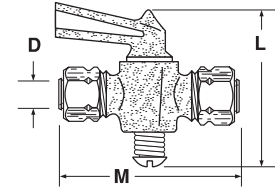
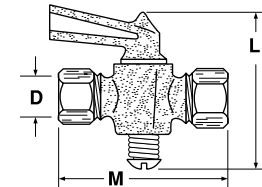


Ground Plug Shutoff V303C / V303CA

Compression to Compression

Temperature Range: +32° to +125° F

PART NO.	TUBE SIZE	L	M	FLOW DIA. D
V303C-4-4	1/4	1.88	2.33	.188
V303CA-4-4	1/4	1.90	1.75	.188
V303C-6-6	3/8	2.26	2.45	.218
V303CA-6-6	3/8	1.76	1.60	.218

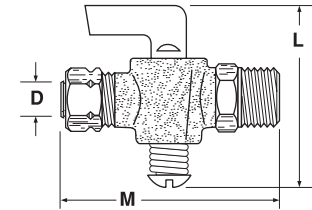
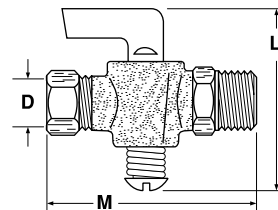


Ground Plug Shutoff V304C / V304CA

Compression to Male Pipe

Temperature Range: +32° to +125° F

PART NO.	TUBE SIZE	PIPE THREAD	L	M	FLOW DIA. D
V304C-4-2	1/4	1/8	1.90	2.29	.188
V304CA-4-2	1/4	1/8	1.88	2.00	.188
V304C-4-4	1/4	1/4	1.90	2.15	.188
V304CA-4-4	1/4	1/4	1.86	2.08	.188
V304C-6-4	3/8	1/4	1.83	2.24	.218
V304CA-6-4	3/8	1/4	1.83	2.11	.218

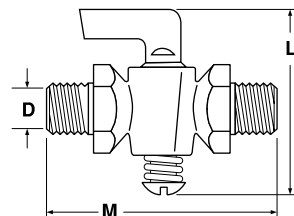


Ground Plug Shutoff V401P

Male Pipe to Male Pipe

Temperature Range: +32° to +125° F

PART NO.	PIPE THREAD	L	M	FLOW DIA. D
V401P-2-2	1/8	1.90	2.25	.188
V401P-4-4	1/4	1.90	1.98	.188

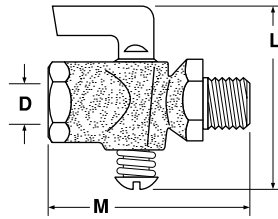


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Ground Plug Shutoff V402P

Female Pipe to Male Pipe
 Temperature Range: +32° to +125° F

PART NO.	FEMALE PIPE THREAD	PIPE THREAD	L	M	FLOW DIA. D
V402P-2-2	1/8	1/8	1.89	1.73	.218
V402P-4-4	1/4	1/4	1.89	1.85	.218
V402P-6-6	3/8	3/8	2.34	2.21	.245

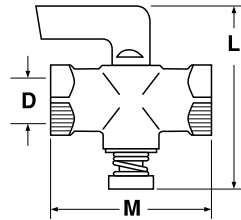


Ground Plug Shutoff V403P

Female Pipe to Female Pipe
 Temperature Range: +32° to +125° F

PART NO.	FEMALE PIPE THREAD	L	M	FLOW DIA. D
V403P-2-2	1/8	1.90	1.51	.188
V403P-4-4	1/4	1.90	1.65	.188
V403P-6-6*	3/8	2.25	2.00	.250

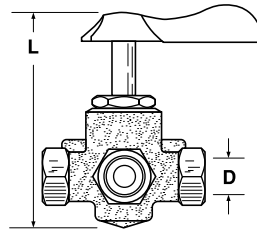
*Made from extruded bar stock



Three-way valve V406P

Female Pipe three ends
 Temperature Range: -40° to +180° F

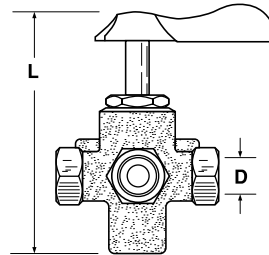
PART NO.	PIPE THREAD	L	FLOW DIA. D
V406P-4	1/4	3.10	.281



Four-way valve V407P

Female Pipe four ends
 Temperature Range: -40° to +180° F

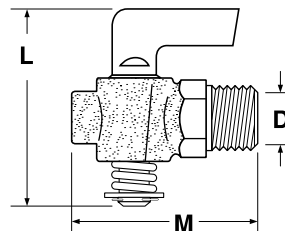
PART NO.	PIPE THREAD	L	FLOW DIA. D
V407P-4	1/4	3.30	.281



Ground Plug Shutoff DC601

Temperature Range: +32° to +125° F

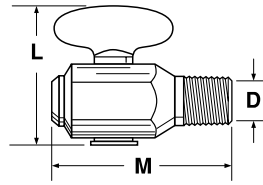
PART NO.	PIPE THREAD	L	M	FLOW DIA. D
DC601-2	1/8	1.90	1.40	.170
DC601-4	1/4	1.90	1.52	.170
DC601-6	3/8	2.26	1.74	.281
DC601-8	1/2	2.29	1.82	.281



Drain Cock DCR601

Temperature Range: -30° to +250° F

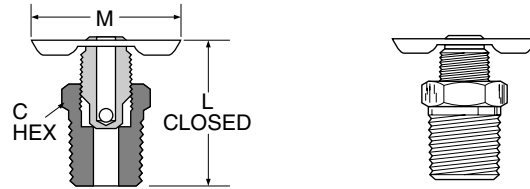
PART NO.	PIPE THREAD	L	M	FLOW DIA. D
DCR601-4	1/4	1.41	1.73	.188



Internal Seal Drain Cock DC602

Temperature Range: -65° to +250° F

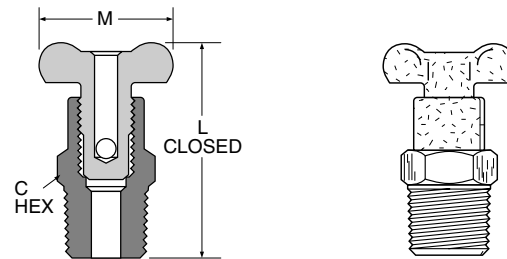
PART NO.	PIPE THREAD	C HEX	L	M
DC602-2	1/8	13/32	.92	1.25
DC602-4	1/4	9/16	.94	1.25



Drain Cock DC603

Temperature Range: -65° to +250° F

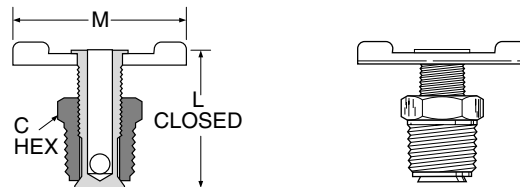
PART NO.	PIPE THREAD	C HEX	L	M
DC603-2	1/8	1/2	1.41	1.00
DC603-4	1/4	5/8	1.54	1.16
DC603-6	3/8	11/16	1.63	1.16



External Seal Drain Cock DC604

Temperature Range: -25° to +250° F

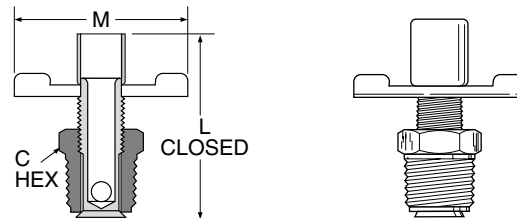
PART NO.	PIPE THREAD	C HEX	L	M
DC604-2	1/8	7/16	.85	1.25
DC604-4	1/4	9/16	1.00	1.38
DC604-6	3/8	11/16	1.22	1.68



External Seal Drain Cock DC606

Temperature Range: -65° to +250° F

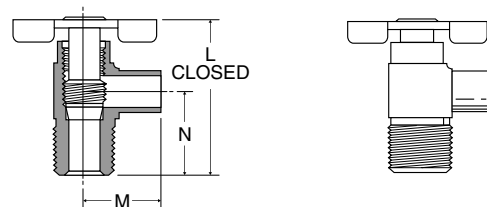
PART NO.	PIPE THREAD	C HEX	L	M
DC606-4	1/4-18	9/16	1.50	1.38



Bib Drain Valve DC607

Temperature Range: -65° to +250° F

PART NO.	HOSE SIZE	PIPE THREAD	FLOW	L	M	N
DC607-4	3/8	1/4	.31	1.32	.67	.71



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