



# Valves



## Ball Valves

*Brass, Carbon Steel & Stainless Steel  
Padlocking & Vented Options  
Handle Options  
Inch & Metric  
UL Listed  
90° Valves  
Actuators*



## Needle Valves

*Fine Threaded for control and  
positive seal  
All Brass construction  
Metal to Metal Seats*



## Truck Valves

*All Brass construction  
Metal to Metal Seats  
-30° to +250° F*






































## Ground Plug Shutoff / Drain Cocks

*External & Internal Seat  
Metal to Metal Seats  
Economical*



<b>Brass Ball Valves</b>	<b>XV500P</b> Female-Female  Page K5	<b>XV501P</b> Male-Female  Page K8	<b>XV502P</b> Panel Mount  Page K10	<b>XV506P</b> Straight Thread  Page K12	<b>XV509P</b> Solder End  Page K13	<b>XV510P</b> Straight Thread  Page K15	
	<b>XV520P</b> Economy Series  Page K16	<b>XV533P</b> 3-Female Pipe Ends  Page K18	<b>XV540P</b> 4-Female Pipe Ends  Page K18	<b>XV590/591P</b> 90° Ball Valve  Page K20	<b>XV500HB</b> Hose Barb  Page K21	<b>XV600P/XV633P</b> 6 Port Diversion  Page K23	<b>XV502P-ACT</b> Actuator  Page K35
	<b>XV502P-SUB</b> Sub Assembly  Page K36	<b>MV708</b> Micro Valve  Page K46	<b>MV709</b> Micro Valve  Page K46	<b>MV200</b> Mini Valve  Page K51	<b>MV608</b> Mini Valve  Page K51	<b>MV609</b> Mini Valve  Page K51	
	<b>Carbon Steel Valves</b>	<b>XV500/502CS</b> Female-Female  Page K25	<b>XV506CS</b> Straight Thread  Page K27	<b>XV500HP/506HP /507HP</b> High Pressure  Page K29	<b>Stainless Steel Valves</b>	<b>XV501SS</b> Male-Female  Page K31	<b>XV502SS</b> Female-Female  Page K33
		<b>XV502SS-SUB</b> Sub Assembly  Page K36	<b>Metric Ball Valves</b>	<b>BVGC</b> Female-Female  Page K38		<b>BVGL</b> Female Long  Page K40	<b>BVG PLOCK</b> Padlocking  Page K42
	<b>Auxiliary</b>	<b>ACT-P-KIT</b> Brass Actuator Kit  Page K36		<b>ACT-SS-Kit</b> Stainless Actuator Kit  Page K36	<b>STX</b> Stem Extension Kit  Page K48		
		<b>Plug Valves</b>	<b>PV607</b> Male-Male  Page K53	<b>PV608</b> Male-Female  Page K53	<b>PV609</b> Female-Female  Page K53	<b>PVMB</b> Mounting Bracket  Page K53	

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<b>Needle Valves</b>	<b>NV101F</b> Flare-Male Pipe  Page K55	<b>NV102F</b> Flare-Flare  Page K55	<b>NV103F</b> Flare-Male Pipe  Page K55	<b>HV104C</b> Humidifier Valve  Page K55	<b>HV104C-Kit</b> Humidifier Kit  Page K55	<b>SPC104C-Kit</b> Self Piercing  Page K55
	<b>NV104C/ NV104CA</b> Comp-Pipe  Page K55	<b>NV105C/ NV105CA</b> Comp-Comp  Page K55	<b>NV106C/ NV106CA</b> Comp-Pipe  Page K56	<b>NV107P</b> Pipe-Pipe  Page K56	<b>NV108P</b> Female-Male  Page K56	<b>NV109P</b> Female-Female  Page K56
<b>NV312P</b> Poly-Tite/Pipe  Page K56	<b>Truck Valves</b>	<b>V404P</b> Hose-Pipe  Page K56	<b>V404PH</b> Hose-Pipe  Page K56	<b>SV404P</b> Hose-Pipe  Page K57	<b>V405P</b> Female-Male  Page K57	<b>V408NTA</b> Tube-Pipe  Page K57
<b>V409F</b> Flare - Pipe  Page K57		<b>V410NTA</b> Tube-Pipe  Page K57	<b>V412F</b> Tube-Pipe  Page K57	<b>LV91</b> Lanyard Valve  Page K57	<b>Drain Cocks</b>	<b>DCR601</b> Internal Seal  Page K60
<b>DC603</b> Internal Seal  Page K60	<b>DC604</b> External Seal  Page K60	<b>DC606</b> External Seal  Page K60	<b>DC607</b> Bib Drain  Page K60	<b>Shutoff Valves</b>		<b>V203F</b> Flare-Flare  Page K59
<b>V303C/V303CA</b> Comp-Comp  Page K59	<b>V304C/V304CA</b> Comp-Pipe  Page K59	<b>V401P</b> Pipe-Pipe  Page K59	<b>V402P</b> Female-Male  Page K59		<b>V403P</b> Female-Female  Page K59	<b>V406P</b> 3-Way  Page K59
<b>DC601</b> Pipe  Page K59						





# Brass Ball Valves Series 500

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	500	P	-4	-00
STYLE	<ul style="list-style-type: none"> <li>• V-VALVE</li> <li>• VP-VALVE, PADLOCKING HANDLE</li> <li>• VV-VALVE, VENTED</li> <li>• VVP-VALVE, VENTED, PADLOCKING HANDLE</li> </ul>			
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", 20-1/4", 24-1 1/2", 32-2"			
OPTIONS	<ul style="list-style-type: none"> <li>• 01-STAINLESS STEEL BALL &amp; STEM</li> <li>• 02-STAINLESS STEEL HANDLE &amp; NUT</li> <li>• 03-STAINLESS STEEL BALL, STEM, HANDLE &amp; NUT</li> <li>• 04-TEE HANDLE</li> <li>• 08-UNMARKED YELLOW VINYL HANDLE COVER</li> <li>• 21-OVAL HANDLE</li> </ul>			

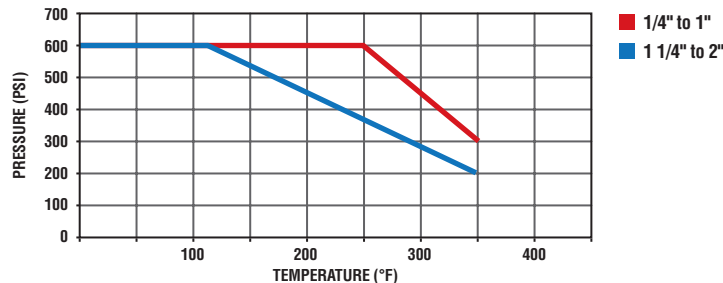


SPECIFICATIONS	
OPERATING INSTRUCTIONS:	QUARTER TURN IS "ON" OR "OFF" (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 600 WOG, COLD NON-SHOCK</li> <li>• SATURATED STEAM UP TO 150 PSI AND 400°F</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> <li>• VENTED UP TO 250 PSI</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

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.

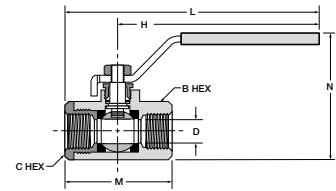
For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

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



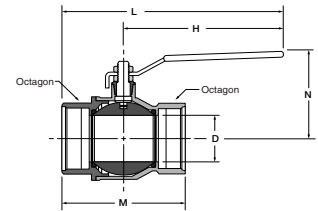
**Female-Female Pipe Ends XV500P**

PART NO.	PIPE THREAD	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



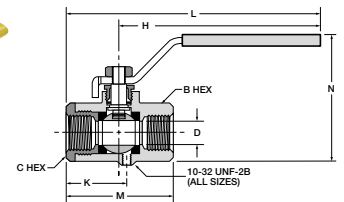
**Female-Female Pipe Ends XV500P-20, XV500P-24, XV500P-32**

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



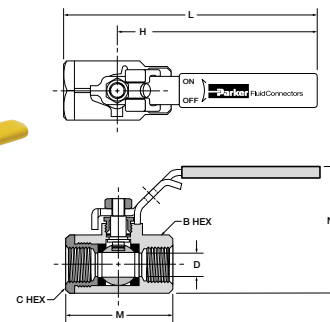
**Vented, Female Pipe Ends XVV500P**

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



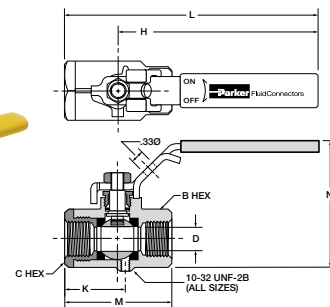
**Locking Handle, Female Pipe Ends XVP500P**

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; .330								
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; .310								



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

PART NO.	PIPE THD	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									

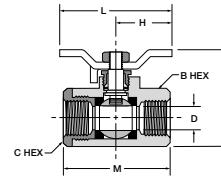


\*PTF Special Short. \*\*PTF Special Extra Short



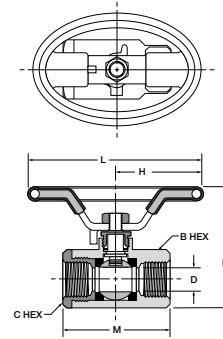
**Tee Handle, Female Pipe Ends XV500P-X-04**

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 Brass Ball Valves Series 501

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	501	P	-4	-00
STYLE	<ul style="list-style-type: none"> <li>• V-VALVE</li> <li>• VP-VALVE, PADLOCKING HANDLE</li> <li>• VV-VALVE, VENTED</li> <li>• VVP-VALVE, VENTED, PADLOCKING HANDLE</li> </ul>			
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	<ul style="list-style-type: none"> <li>• 01-STAINLESS STEEL BALL &amp; STEM</li> <li>• 02-STAINLESS STEEL HANDLE &amp; NUT</li> <li>• 03-STAINLESS STEEL BALL, STEM, HANDLE &amp; NUT</li> <li>• 04-TEE HANDLE</li> <li>• 08-UNMARKED YELLOW VINYL HANDLE COVER</li> <li>• 21-OVAL HANDLE</li> </ul>			

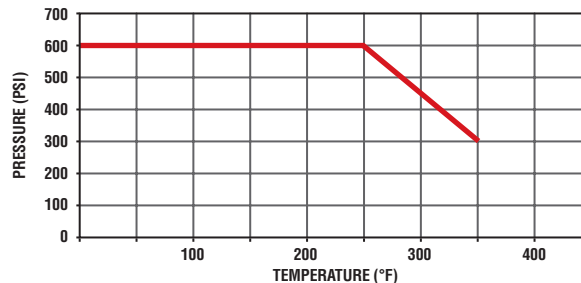


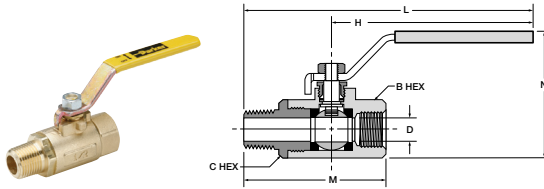
SPECIFICATIONS	
OPERATING INSTRUCTIONS:	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 600 WOG, COLD NON-SHOCK</li> <li>• SATURATED STEAM UP TO 150 PSI AND 400°F</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> <li>• VENTED UP TO 250 PSI</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

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.

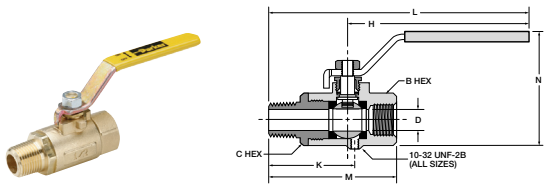
FLOW DATA	
VALVE SIZE	CV
1/4	6.3
3/8	5.7
1/2	10.0
3/4	25.0
1	35.0





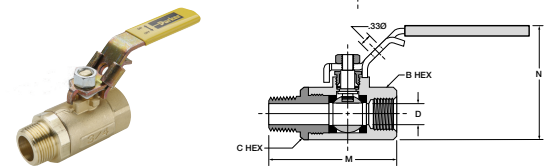
**Male-Female Pipe Ends XV501P**

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



**Vented, Male-Female Pipe Ends XVV501P**

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

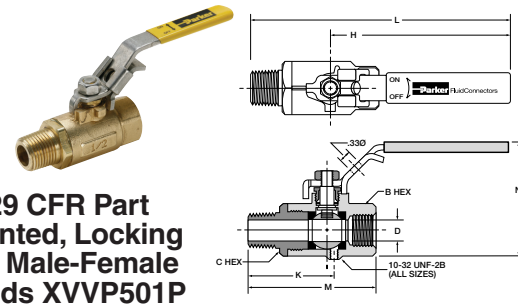


**Locking Handle, Male-Female Pipe Ends XVP501P**

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

For use with 5/16" Ø shank lock

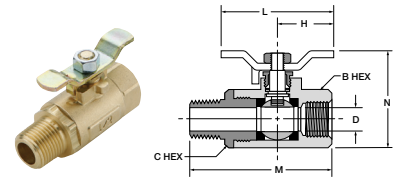
\*PTF Special Short. \*\*PTF Special Extra Short



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

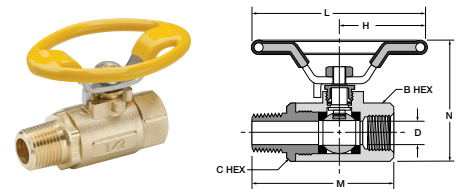
PART NO.	FEMALE PIPE THRD [PTF]	MALE PIPE THRD [NPTF]	B HEX	C HEX	K	H	L	M	N	D FLOW Ø
XVVP501P-4	1/4	1/4	15/16	15/16	1.67	3.96	5.46	2.59	2.47	.344
XVVP501P-6	3/8	3/8	15/16	15/16	1.67	3.96	5.46	2.59	2.47	.375
XVVP501P-8	1/2*	1/2	1-1/16	1-1/16	1.98	3.96	5.75	2.95	2.58	.500
XVVP501P-12	3/4**	3/4	1-1/4	1-5/16	2.03	3.96	5.83	3.00	2.81	.685
XVVP501P-16	1**	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.	FEMALE PIPE THRD [PTF]	MALE PIPE THRD [NPTF]	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV501P-4-04	1/4	1/4	15/16	15/16	1.25	2.50	2.59	1.87	.344
XV501P-6-04	3/8	3/8	15/16	15/16	1.25	2.50	2.59	1.87	.375
XV501P-8-04	1/2*	1/2	1-1/16	1-1/16	1.25	2.50	2.95	1.98	.500
XV501P-12-04	3/4**	3/4	1-1/4	1-5/16	1.25	2.50	3.00	2.20	.685
XV501P-16-04	1**	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.	FEMALE PIPE THRD [PTF]	MALE PIPE THRD [NPTF]	B HEX	C HEX	H	L	M	N	D FLOW Ø
XV501P-4-21	1/4	1/4	15/16	15/16	1.74	3.49	2.59	2.38	.344
XV501P-6-21	3/8	3/8	15/16	15/16	1.74	3.49	2.59	2.38	.375
XV501P-8-21	1/2*	1/2	1-1/16	1-1/16	1.74	3.49	2.95	2.49	.500
XV501P-12-21	3/4**	3/4	1-1/4	1-5/16	1.74	3.48	3.00	2.71	.685
XV501P-16-21	1**	1	1-1/2	1-9/16	1.74	3.48	3.60	2.99	.875







# Panel Mount Ball Valves Series 502

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	502	P	-4	-00
STYLE	<ul style="list-style-type: none"> <li>• V-VALVE</li> <li>• VP-VALVE, PADLOCKING HANDLE</li> <li>• VV-VALVE, VENTED</li> <li>• VVP-VALVE, VENTED, PADLOCKING HANDLE</li> </ul>			
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	<ul style="list-style-type: none"> <li>• 01-STAINLESS STEEL BALL &amp; STEM</li> <li>• 02-STAINLESS STEEL HANDLE &amp; NUT</li> <li>• 03-STAINLESS STEEL BALL, STEM, HANDLE &amp; NUT</li> <li>• 04-TEE HANDLE</li> <li>• 08-UNMARKED YELLOW VINYL HANDLE COVER</li> <li>• 21-OVAL HANDLE</li> </ul>			

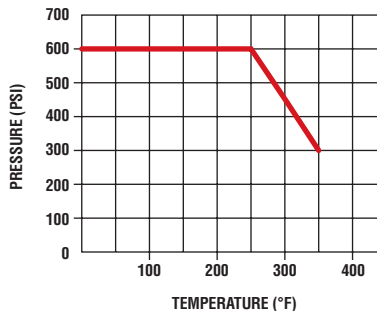


SPECIFICATIONS	
OPERATING INSTRUCTIONS:	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 600 WOG, COLD NON-SHOCK</li> <li>• SATURATED STEAM UP TO 150 PSI AND 400°F</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> <li>• VENTED UP TO 250 PSI</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

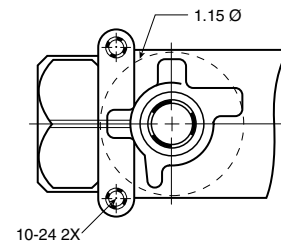
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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

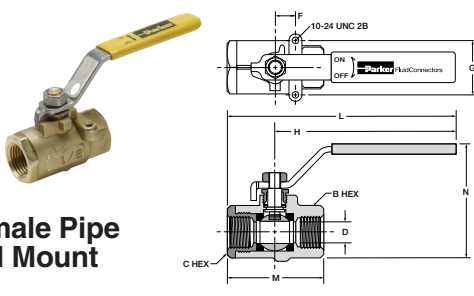
FLOW DATA	
VALVE SIZE	CV
1/4	4.0
3/8	5.8
1/2	12.0
3/4	25.0
1	35.0



Mounting detail for all sizes

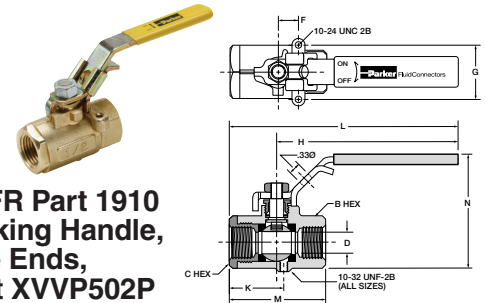


**Female-Female Pipe Ends, Panel Mount XV502P**



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

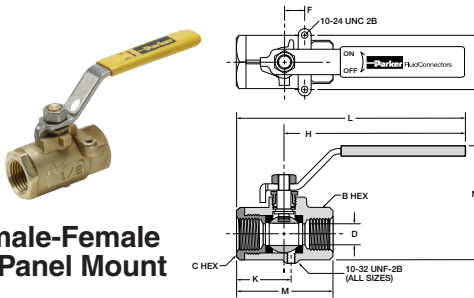
**OSHA 29 CFR Part 1910 Vented, Locking Handle, Female Pipe Ends, Panel Mount XVVP502P**



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

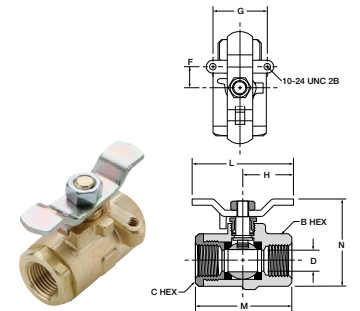
For use with 5/16" Ø shank lock

**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

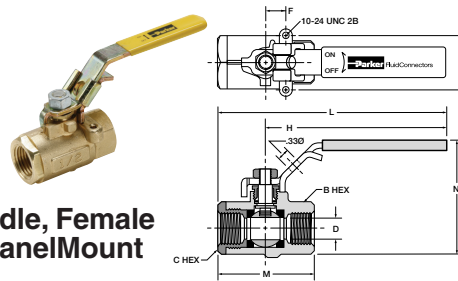
**Tee Handle, Female Pipe Ends, Panel Mount XV502P-X-04**



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

K

**Locking Handle, Female Pipe Ends, Panel Mount XVP502P**

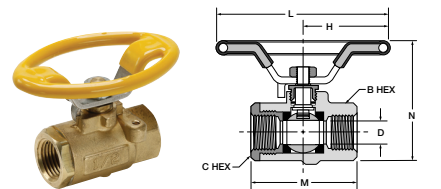


PART NO.	PIPE THD.	B HEX	C HEX	F	G	H	L	M	N	D FLOW Ø
XVP502P-4	1/4	15/16	15/16	.50	1.12	3.96	4.90	2.03	2.47	.375
XVP502P-6	3/8	15/16	15/16	.50	1.12	3.96	4.90	2.03	2.47	.375
XVP502P-8	1/2*	1-1/16	1-1/16	.50	1.12	3.96	5.00	2.20	2.58	.500
XVP502P-12	3/4**	1-1/4	1-5/16	.87	1.37	3.96	5.25	2.42	2.81	.685
XVP502P-16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

**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





# Female/Female Straight Thread Brass Ball Valve Series 506

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	506	P	-4	-00
STYLE	<ul style="list-style-type: none"> <li>V-VALVE</li> <li>VP-VALVE, PADLOCKING HANDLE</li> </ul>			
TYPE	506 FEMALE/FEMALE			
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"			
OPTIONS	<ul style="list-style-type: none"> <li>01-STAINLESS STEEL BALL &amp; STEM</li> <li>02-STAINLESS STEEL HANDLE &amp; NUT</li> <li>03-STAINLESS STEEL BALL, STEM, HANDLE &amp; NUT</li> <li>04-TEE HANDLE</li> <li>08-UNMARKED YELLOW VINYL HANDLE COVER</li> <li>21-OVAL HANDLE</li> </ul>			

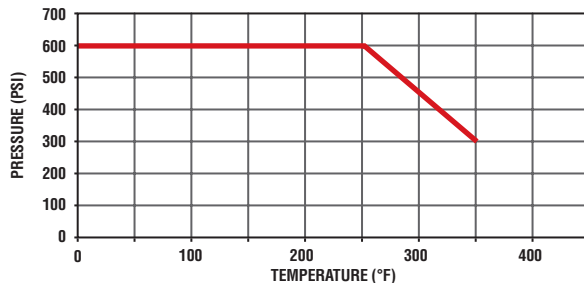


SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>600 WOG, COLD NON-SHOCK</li> <li>SATURATED STEAM UP TO 150 PSI AND 400°F</li> <li>VACUUM SERVICE TO 29 INCHES HG.</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

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

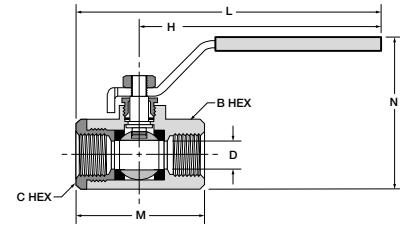
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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

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



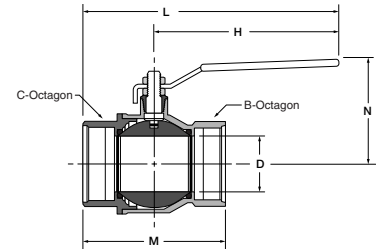
**Female/Female, Straight Thread O-Ring Port XV506P**

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





# Solder End Ball Valves Series 509

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE	600 WOG, COLD NON-SHOCK SATURATED STEAM UP TO 150 PSI AND 400°F
TEMPERATURE RANGE	0° TO +350°F SOLDER TEMPERATURE NOT TO EXCEED 470°F

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"		

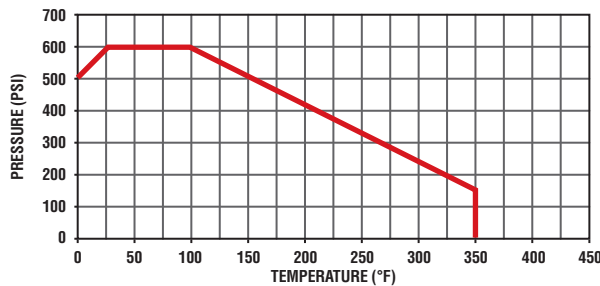
JOINING MATERIAL	MELTING RANGE	WORKING TEMP.	MAX. WORKING PRESSURE (PSI)	
	°F	°F	SIZE 1/2 - 1"	SIZE 1-1/4" - 2"
50-50 TIN-LEAD SOLDER	361-421	100	200	175
		150	150	125
		200	100	90
		250	85	75
95-5 TIN ANTIMONY SOLDER	450-464	100	400	400
		150	400	350
		200	300	250
		250	200	175

SPECIFICATIONS	
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF" (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)



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.

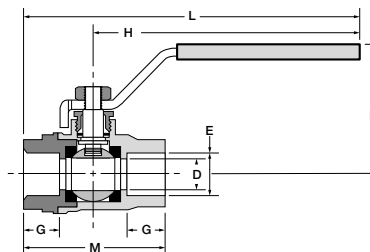
These valves are ideal for water and air service lines on capital equipment and plant design plumbing that require total shut-off capability. Use with ASTM B88 copper water tubing.



FLOW DATA	
VALVE SIZE	CV
1/2"	26
3/4"	69
1"	91
1 1/4"	127
1 1/2"	299
2"	425

## Solder Cup Ends XV509P

PART NO.	TUBE SIZE	E	G	H	L	M	N	FLOW DIA. D
XV509P-8	1/2	.630	.49	3.94	5.00	2.24	1.69	.55
XV509P-12	3/4	.877	.75	4.72	6.10	2.85	1.97	.75
XV509P-16	1	1.128	.90	4.72	6.40	3.35	2.13	.94
XV509P-20	1 1/4	1.378	.96	6.22	8.13	3.82	3.01	1.18
XV509P-24	1 1/2	1.628	1.10	6.22	8.46	4.49	3.25	1.50
XV509P-32	2	2.128	1.34	6.22	8.94	5.43	3.52	1.89





# Male/Female Straight Thread Ball Valves Series 510

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	510	P	-4	-00
STYLE	<ul style="list-style-type: none"> <li>V-VALVE</li> <li>VP-VALVE, PADLOCKING HANDLE</li> </ul>			
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	<ul style="list-style-type: none"> <li>01-STAINLESS STEEL BALL &amp; STEM</li> <li>02-STAINLESS STEEL HANDLE &amp; NUT</li> <li>03-STAINLESS STEEL BALL, STEM, HANDLE &amp; NUT</li> <li>04-TEE HANDLE</li> <li>08-UNMARKED YELLOW VINYL HANDLE COVER</li> <li>21-OVAL HANDLE</li> </ul>			

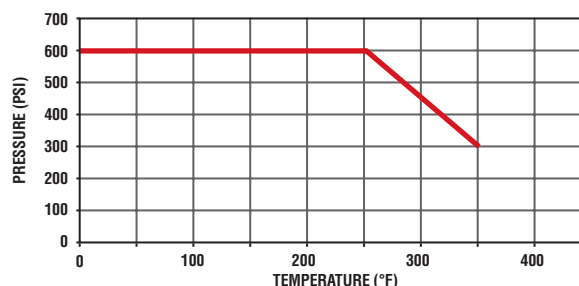
SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>600 WOG, COLD NON-SHOCK</li> <li>SATURATED STEAM UP TO 150 PSI AND 400°F</li> <li>VACUUM SERVICE TO 29 INCHES HG.</li> <li>VENTED UP TO 250 PSI</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

FLOW DATA	
VALVE SIZE	CV
1/4	.8
3/8	2.1
1/2	5.3
5/8	7.6
3/4	13.0
1	33.0



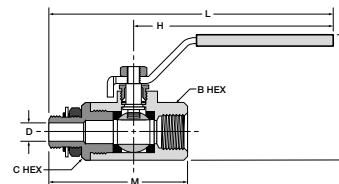
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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

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



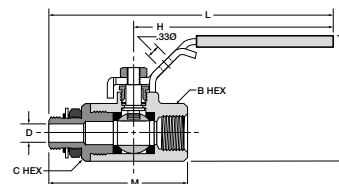
**Male-Female, Straight Thread O-Ring Port XV510P**

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



**Locking Handle, Straight Thread O-Ring Port XVP510P**

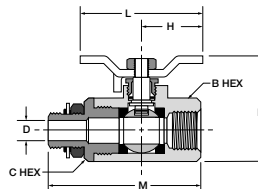
PART NO.	STRT. THREAD	B HEX	C HEX	H	L	M	N	D FLOW Ø
XVP510P-4	7/16-20	15/16	15/16	3.96	5.61	2.85	2.47	.188
XVP510P-6	9/16-18	15/16	15/16	3.96	5.68	2.92	2.47	.281
XVP510P-8	3/4-16	1-1/16	1-1/16	3.96	5.88	3.17	2.58	.422
XVP510P-10	7/8-14	1-1/4	1-5/16	3.96	6.31	3.90	2.81	.500
XVP510P-12	1-1/16-12	1-1/4	1-5/16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



For use with 5/16" Ø shank lock

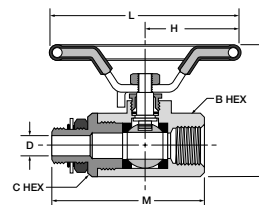
**Tee Handle, Straight Thread O-Ring Port XV510P-X-04**

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
XV510P-12-21	1-1/16-12	1-1/4 (B)	1.75	3.49	4.03	2.71	.656
		1-5/16 (C)					





# Brass Ball Valves Series 520

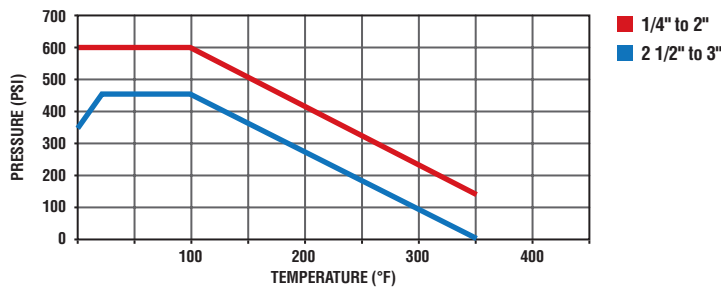
MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
STEM O-RINGS:	VITON
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	520	P	-4	-00
STYLE	V-VALVE			
TYPE	520-FEMALE/FEMALE PTF 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"			
OPTIONS	04-TEE HANDLE			

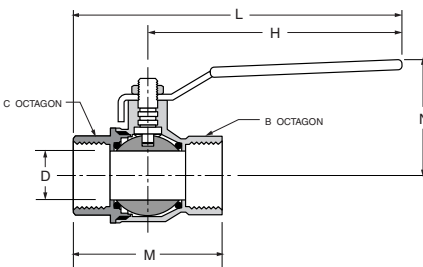


SPECIFICATIONS	
OPERATING INSTRUCTIONS:	QUARTER TURN IS "ON" OR "OFF" (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 600 WOG, COLD NON-SHOCK – SIZES 1/4" – 2"</li> <li>• 450 WOG, COLD NON-SHOCK – SIZES 2 1/2" – 3"</li> <li>• SATURATED STEAM UP TO 150 PSI AND 350°F</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

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.



U. L. LISTED	
CATEGORY	
YSDT	LP-GAS SHUT-OFF VALVES
YRBX	FLAMMABLE LIQUID SHUT-OFF VALVES
YRPV	GAS SHUT-OFF VALVES
YQNZ	COMPRESSED GAS SHUT-OFF VALVES



## 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

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	533	P	-4	-00
STYLE	V-VALVE			
TYPE	533 3-WAY DIVERSION, 540 4-WAY			
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"			
OPTIONS	<ul style="list-style-type: none"> <li>• 02-STAINLESS STEEL HANDLE &amp; NUT</li> <li>• 08-UNMARKED YELLOW VINYL HANDLE COVER</li> </ul>			

SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 400 PSI</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> </ul>
TEMPERATURE RANGES:	0° TO +250°F
NOTE:	DIVERSION VALVES DO NOT HAVE OFF POSITIONS, THEREFORE, THE CENTER PORT CAN NOT BE USED FOR SHUT-OFF PURPOSES.
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

XV540P FLOW INFORMATION	
POINTER OVER	FLOW PATH
A	A TO E
OFF	CLOSED
C	C TO E
D	D TO E

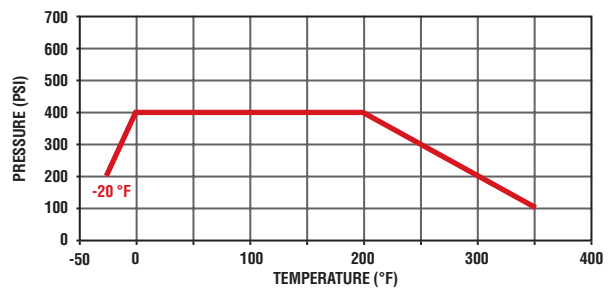
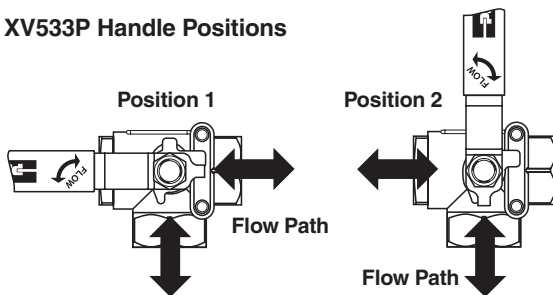


Designed for applications requiring flow diversion making tank selection and fluid transfer easy. For use on construction equipment, chemical processing, pumps and specialized industrial machinery.

**NOTE:** 3-way diversion valves do not have off positions, therefore, the center port can not be used for shut-off purposes.

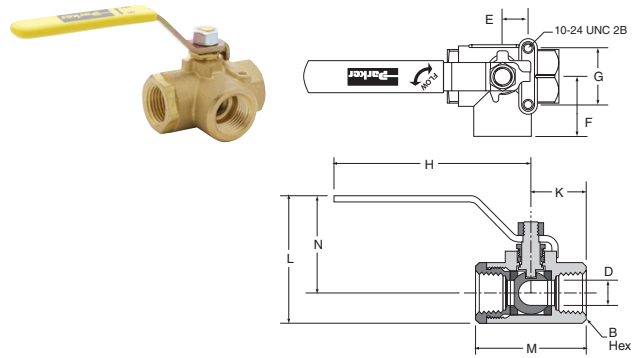


### XV533P Handle Positions



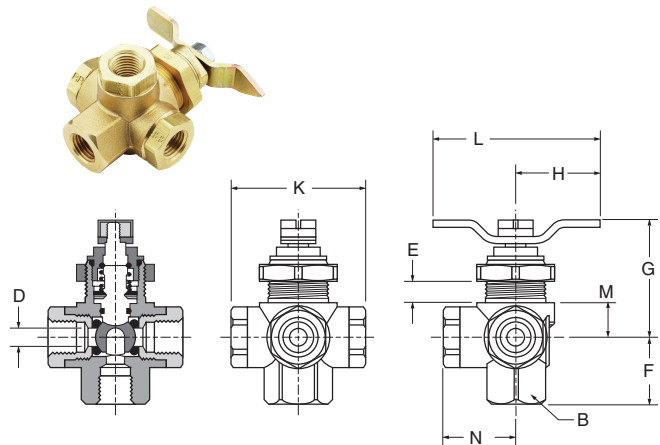
**Female-Female-Female Pipe Ends XV533P**

PART NO.	PIPE THD (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 THD (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

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

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	<ul style="list-style-type: none"> <li>• 04-LEVER HANDLE</li> <li>• 08-UNMARKED YELLOW VINYL HANDLE COVER</li> </ul>			

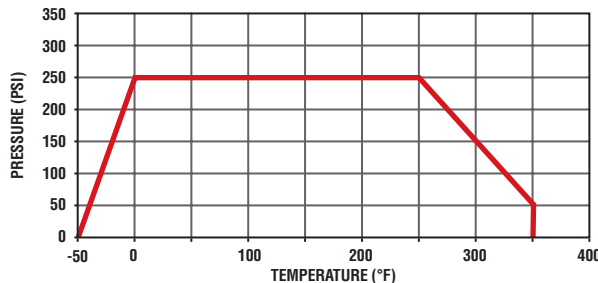
SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 250 PSI</li> <li>• SATURATED STEAM UP TO 150 PSI AND 400°F</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> </ul>
TEMPERATURE RANGES:	0° TO +350°F
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUT-OFF.)
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.



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

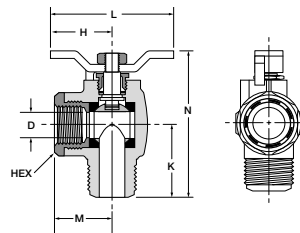
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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



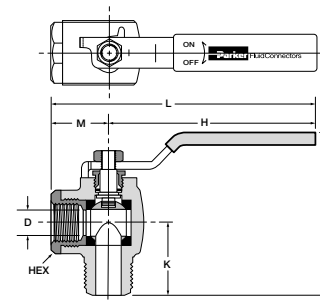
90° Flow, Male-Female Pipe Ends XV590P

PART NO.	PIPE PTF THREAD	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
XV590P-16	1	1-9/16"	1.30	1.90	2.60	1.38	3.62	.750



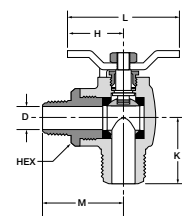
Lever Handle, 90° Flow, Male-Female Pipe Ends XV590P-X-04

PART NO.	PIPE PTF THREAD	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
XV590P-16-04	1	1-9/16"	3.96	1.90	5.34	1.38	4.17	.750



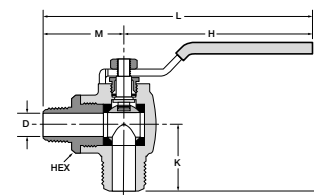
90° Flow, Male-Male Pipe Ends XV591P

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

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
HANDLE:	STEEL

SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 150 PSI WOG, COLD NON-SHOCK</li> <li>• SATURATED STEAM UP TO 150 PSI AND 350°F</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> </ul>
TEMPERATURE RANGES:	0° TO +350°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.



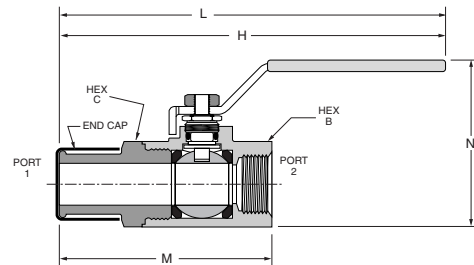
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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



## 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





# Brass Ball Valves Series 600 Six Port Diversion

MATERIALS OF CONSTRUCTION	
VALVE BODY:	FORGED BRASS
BALL:	CHROME PLATED BRASS
SEATS / SEALS:	PTFE
O-RINGS:	VITON
HANDLE:	STEEL

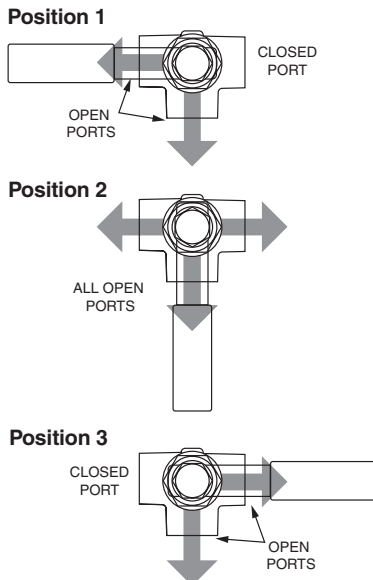
STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	600	P	-8	-00
STYLE	V-VALVE			
TYPE	600 - THREE POSITION 633 - TWO POSITION			
MATERIAL	P- BRASS			
SIZE	8-1/2"			

SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>• 150 PSI</li> <li>• VACUUM SERVICE TO 29 INCHES HG.</li> </ul>
TEMPERATURE RANGES:	0° TO +250°F
OPERATING INSTRUCTIONS	POSITION HANDLE IN QUARTER-TURN INCREMENTS TO DESIRED FLOW CONFIGURATION. DETENT MECHANISM ASSISTS IN ACCURATELY POSITIONING HANDLE.

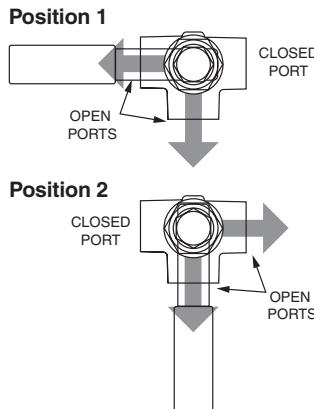


This valve can be used on applications where a fluid return or spillback is required. For use on construction equipment, chemical processing, diesel engines, filter banks, pumps and specialized industrial machinery.

### Series 600 Handle Positions

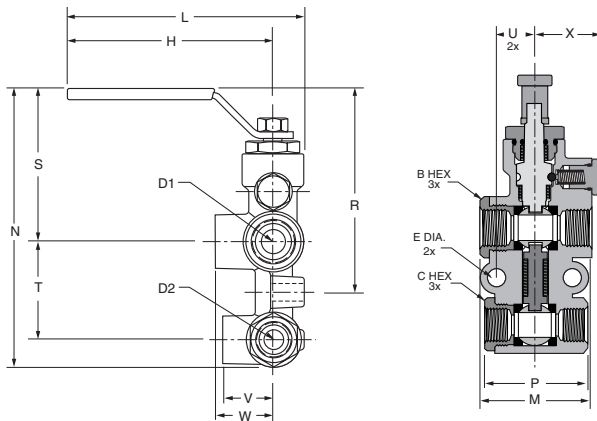


### Series 633 Handle Positions



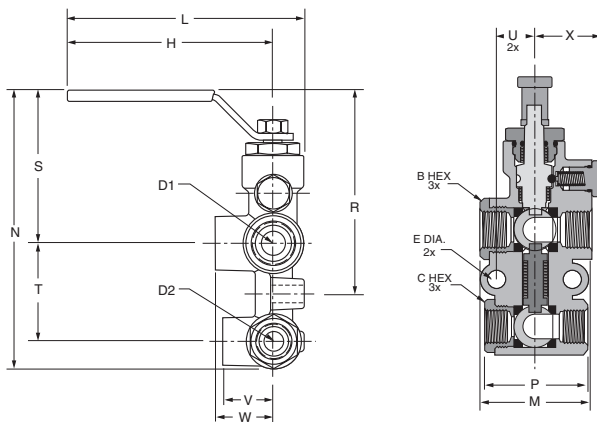
NOTE: Diversion valves do not have off positions, therefore, the center ports can not be used for shut-off purposes.

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**Six Port Diversion Brass Valve XV600P**

PIPE THD. PART NO.	PIPE THD. TOP PORT SPL SHORT	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**

PIPE THD. PART NO.	PIPE THD. TOP PORT SPL SHORT	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

\*PTF Special Short. \*\*PTF Special Extra Short





# Carbon Steel Ball Valves Series 500CS/502CS

MATERIALS OF CONSTRUCTION	
VALVE BODY:	CARBON STEEL PHOSPHATE COATED
BALL:	STEEL
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	500	CS	-4	-00
STYLE	<ul style="list-style-type: none"> <li>V-VALVE</li> <li>VP-VALVE, PADLOCKING HANDLE</li> </ul>			
TYPE	500 FEMALE/FEMALE PTF PORTS			
MATERIAL	CS-CRARBON 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	<ul style="list-style-type: none"> <li>04-TEE HANDLE</li> <li>21-OVAL HANDLE</li> </ul>			

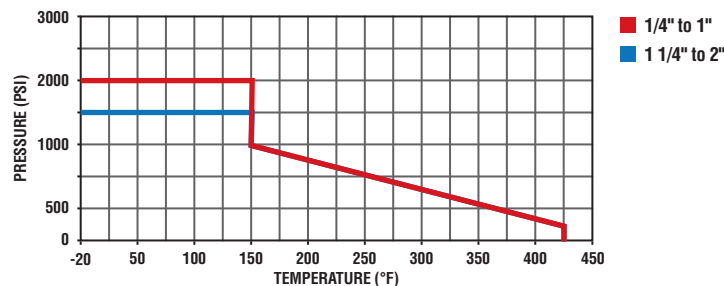
SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>2,000 PSI SIZES: 1/4" – 1"</li> <li>1,500 PSI SOZES: 1 1/4" – 2"</li> <li>SATURATED STEAM UP TO 150 PSI</li> </ul>
TEMPERATURE RANGES:	0° TO +425°F
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)
NOTE:	PERIODICALLY CHECK THE ADJUSTABLE PACKING NUT AND TIGHTEN AS REQUIRED.

FLOW DATA	
VALVE SIZE	CV
1/4	6.0
3/8	12.8
1/2	15.0
3/4	23.0
1	36.0
1-1/4	44.0
1-1/2	64.0
2	114.0



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.

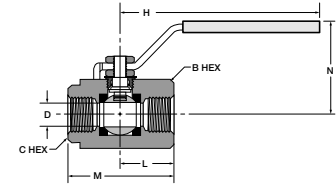


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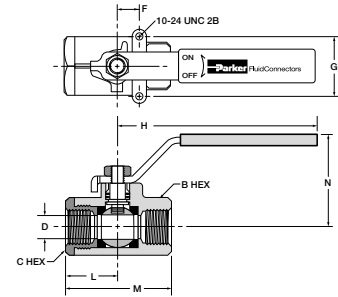
**Female-Female Pipe Ends XV500CS**

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



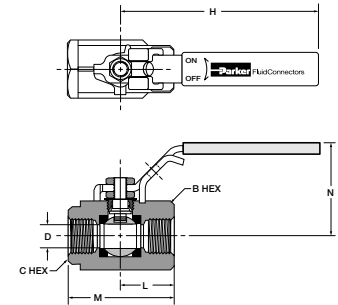
**Female-Female Pipe Ends, Panel Mount XV502CS**

PART NO.	PIPE THD	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



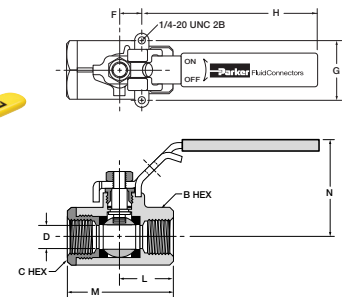
**Locking Handle, Female Pipe Ends XVP500CS**

PART NO.	PIPE THD	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



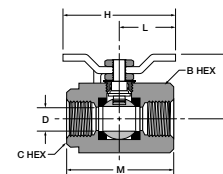
**Locking Handle, Female Pipe Ends, Panel Mount XVP502CS**

PART NO.	PIPE THD	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	1.500



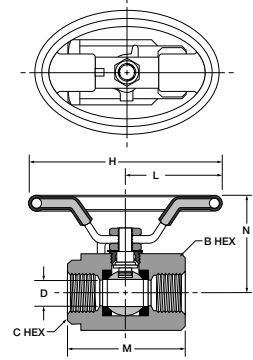
**Tee Handle, Female Pipe Ends XV500CS-X-04**

PART NO.	PIPE THD	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



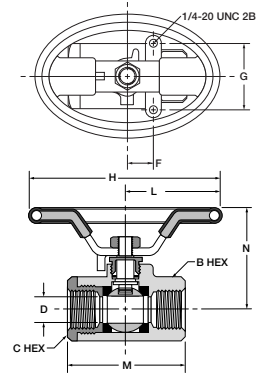
**Oval Handle, Female Pipe Ends XV500CS-X-21**

PART NO.	PIPE THD	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 THD	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





# Carbon Steel Ball Valves Series 506CS

MATERIALS OF CONSTRUCTION	
VALVE BODY:	CARBON STEEL PHOSPHATE COATED
BALL:	STEEL
SEATS / SEALS:	PTFE
HANDLE:	STEEL

STYLE	TYPE	MATERIAL	SIZE	OPTIONS
V	506	CS	-4	-00
STYLE	<ul style="list-style-type: none"> <li>V-VALVE</li> <li>VP-VALVE, PADLOCKING HANDLE</li> </ul>			
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"			

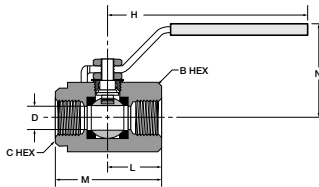
SPECIFICATIONS	
PRESSURE RANGE:	<ul style="list-style-type: none"> <li>3,000 PSI</li> <li>SATURATED STEAM UP TO 150 PSI</li> </ul>
TEMPERATURE RANGES:	0° TO +425°F
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF". (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)

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



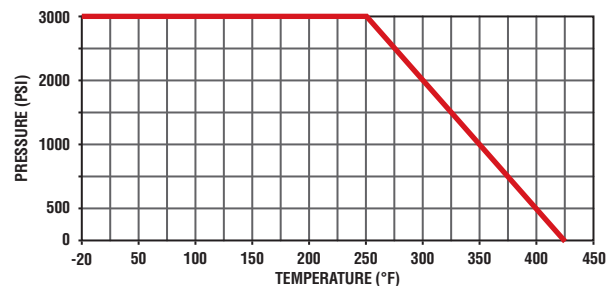
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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



## 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





# High Pressure Carbon Steel Ball Valves Series 500HP, 506HP, 507HP

MATERIALS OF CONSTRUCTION	
VALVE BODY:	CARBON STEEL
BALL:	STEEL
SEATS:	DELTRIN WITH MOLYBDENUM DISULPHIDE
STEM SEALS:	NITRILE O-RINGS
HANDLE:	STEEL

SPECIFICATIONS	
PRESSURE RANGE:	6,000 PSI
TEMPERATURE RANGES:	-10° TO +210°F
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF" (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)

STYLE	TYPE	MATERIAL	SIZE
V	590	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", 20-1/4", 24-1 1/2", 32-2"		

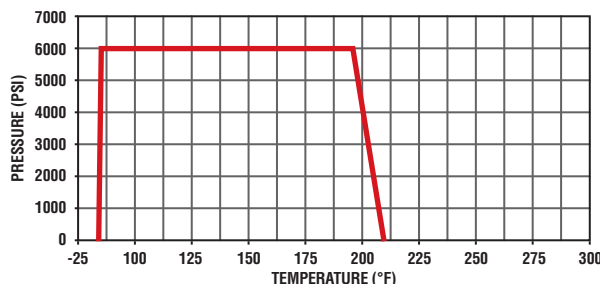
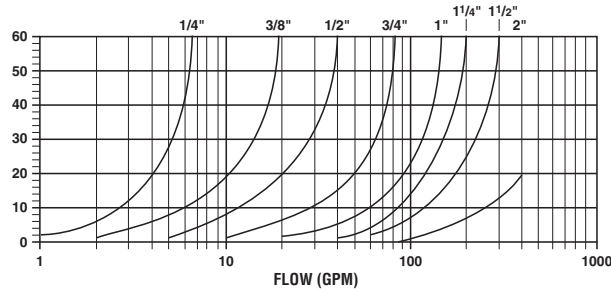
STYLE	TYPE	MATERIAL	SIZE
V	506	HP	-4
STYLE	V-VALVE VP-VALVE, PADLOCKING HANDLE		
TYPE	506-FEMALE/FEMALE SAE STRAIGHT THREAD PORTS		
MATERIAL	HP-HIGH PRESSURE CARBON STEEL		
SIZE	4-1/4", 6-3/8", 8-1/2", 12-3/4", 16-1", 20-1/4", 24-1 1/2", 32-2"		

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		



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.

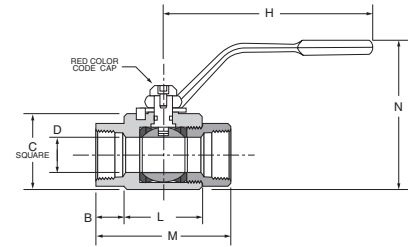
### Pressure Drop (PSI)



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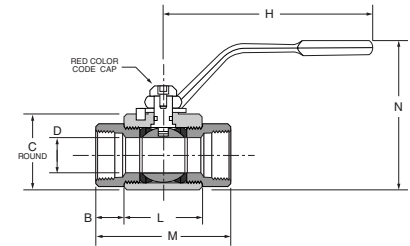
**6000 PSI Female-Female Pipe Ends XV500HP-X**

PART NO.	PIPE THREAD [NPT]	B	C	H	L	M	N	FLOW DIA. D
XV500HP-4	1/4-18	.69	1.38	4.50	1.44	2.75	2.94	.240
XV500HP-6	3/8-18	.56	1.50	4.50	1.69	2.88	3.06	.390
XV500HP-8	1/2-14	.75	1.63	4.50	1.88	3.38	3.19	.510
XV500HP-12	3/4-14	.69	2.25	7.00	2.41	3.81	4.69	.790
XV500HP-16	1-11.5	.94	2.50	7.00	2.56	4.50	4.94	.950



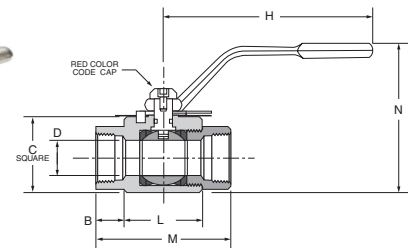
**6000 PSI Female-Female Pipe Ends XV500HP-X (LARGE)**

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



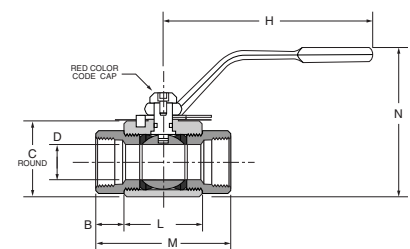
**6000 PSI Locking-Female-Female Pipe Ends XVP500HP-X**

PART NO.	PIPE THREAD [NPT]	B	C	H	L	M	N	FLOW DIA. D
XVP500HP-4	1/4-18	.69	1.38	4.50	1.44	2.75	2.94	.240
XVP500HP-6	3/8-18	.56	1.50	4.50	1.69	2.88	3.06	.390
XVP500HP-8	1/2-14	.75	1.63	4.50	1.88	3.38	3.19	.510
XVP500HP-12	3/4-14	.69	2.25	7.00	2.41	3.81	4.69	.790
XVP500HP-16	1-11.5	.94	2.50	7.00	2.56	4.50	4.94	.950



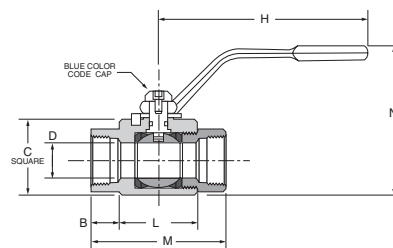
**6000 PSI Locking-Female-Female Pipe Ends XVP500HP-X (LARGE)**

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



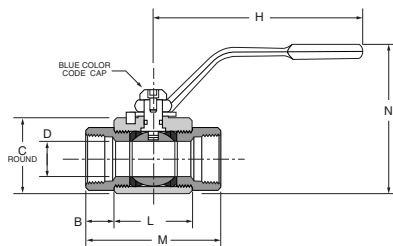
**6000 PSI Female-Female Straight Thread Ends  
XV506HP-X**

PART NO.	SAE J1926-1 THREAD	B	C	H	L	M	N	FLOW DIA. D
XV506HP-4	7/16-20 UNF	.69	1.38	4.50	1.44	2.75	2.94	.240
XV506HP-6	9/16-18 UNF	.56	1.50	4.50	1.69	2.88	3.06	.390
XV506HP-8	3/4-16 UNF	.75	1.63	4.50	1.88	3.38	3.19	.510
XV506HP-12	1 1/16-12 UNF	.69	2.25	7.00	2.41	3.81	4.69	.790
XV506HP-16	1 5/16-12 UNF	.94	2.50	7.00	2.56	4.50	4.94	.950



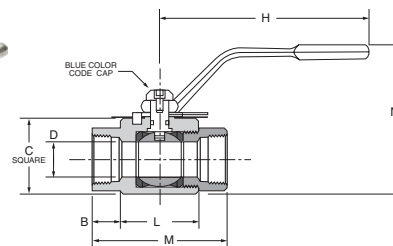
**6000 PSI Female-Female Straight Thread Ends  
XV506HP-X (LARGE)**

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



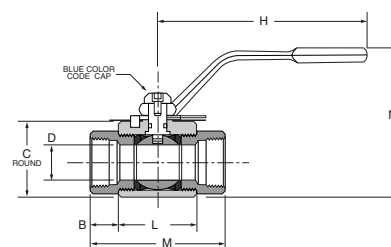
**6000 PSI Locking-Female-Female Straight  
Thread Ends XVP506HP-X**

PART NO.	SAE J1926-1 THREAD	B	C	H	L	M	N	FLOW DIA. D
XVP506HP-4	7/16-20 UNF	.69	1.38	4.50	1.44	2.75	2.94	.240
XVP506HP-6	9/16-18 UNF	.56	1.50	4.50	1.69	2.88	3.06	.390
XVP506HP-8	3/4-16 UNF	.75	1.63	4.50	1.88	3.38	3.19	.510
XVP506HP-12	1 1/16-12 UNF	.69	2.25	7.00	2.41	3.81	4.69	.790
XVP506HP-16	1 5/16-12 UNF	.94	2.50	7.00	2.56	4.50	4.94	.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





# Stainless Steel Ball Valves Series 501SS

MATERIALS OF CONSTRUCTION	
VALVE BODY:	CF-8M STAINLESS STEEL
BALL:	STAINLESS STEEL
SEATS / SEALS:	PTFE
HANDLE:	STAINLESS STEEL

PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE	2,000 PSI SIZES: 1/4" – 1"
TEMPERATURE RANGE	0° TO +400°F

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"			

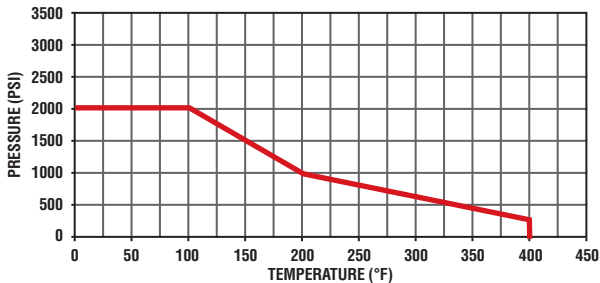
APPROVALS
MEETS MATERIAL REQUIREMENTS OF NACE MR-01-75

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



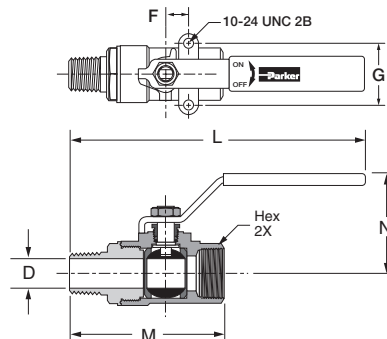
Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and/or inability to turn the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

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



## 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



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





# Stainless Steel Ball Valves Series 502SS

MATERIALS OF CONSTRUCTION	
VALVE BODY:	CF-8M STAINLESS STEEL
BALL:	STAINLESS STEEL
SEATS / SEALS:	PTFE
HANDLE:	STAINLESS STEEL

PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE	2,000 PSI SIZES: 1/4" – 1" 1,500 PSI SIZES: 1-1/4" – 2"
TEMPERATURE RANGE	0° TO +400°F

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			

APPROVALS
MEETS MATERIAL REQUIREMENTS OF NACE MR-01-75

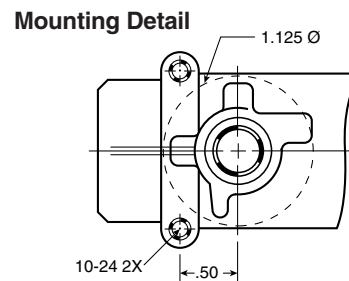
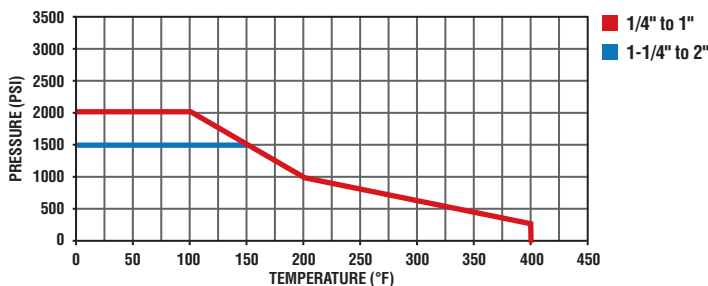
FLOW DATA	
VALVE SIZE	CV
1/4	4.0
3/8	6.0
1/2	14.0
3/4	35.0
1	54.0
1 1/4	74.0
1 1/2	120.0
2	226.0

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



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.

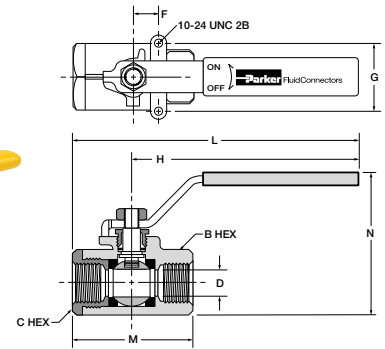


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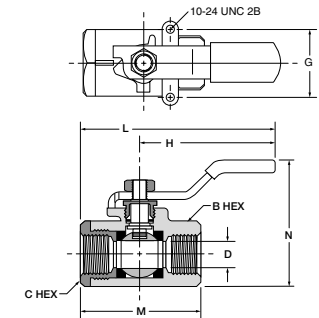
Female Pipe Ends, Panel Mount XV502SS

PART NO.	PIPE THD (NPT)	B/C HEX	F	G	H	I THD	L	M	N	PANEL FLOW DIA. D	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



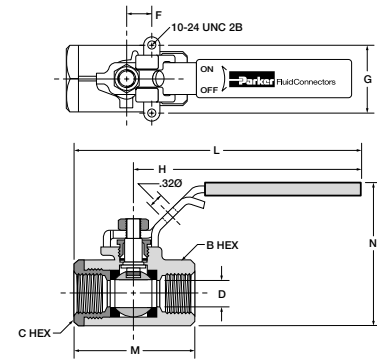
Short Handle, Female Pipe Ends, Panel Mount XV502SS-X-20

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



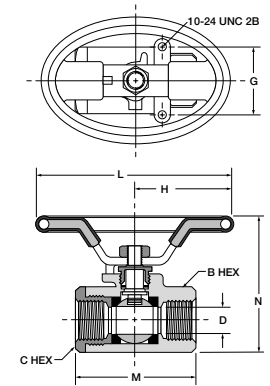
Locking Handle, Female Pipe Ends, Panel Mount XVP502SS

PART NO.	PIPE THD (NPT)	B/C HEX	F	G	H	I THREAD	L	M	N	PANEL FLOW DIA. D	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 THD (NPT)	B/C HEX	G	H	L	I THREAD	M	N	PANEL FLOW DIA. D	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





# Rotary Actuator Ball Valves Series ACT

PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE	150 PSI maximum air pressure to actuator
TEMPERATURE RANGE	Ambient temperature -40° to +180°F



## How Do Vane Actuators Work?

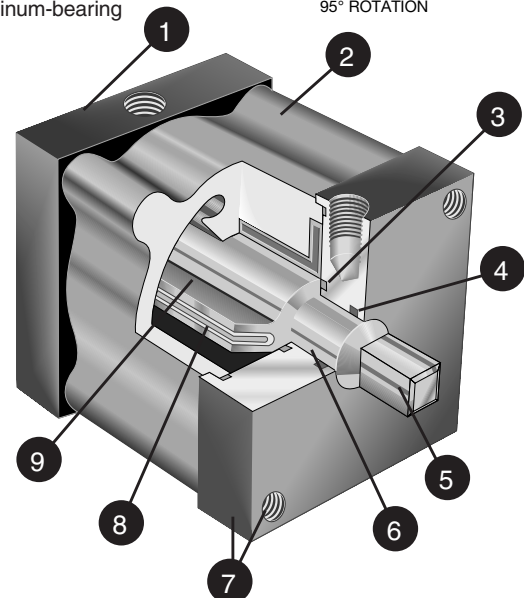
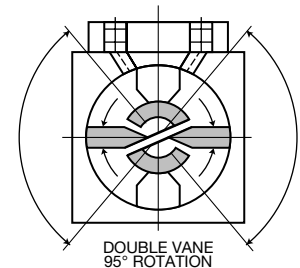
Parker vane actuators provide the maximum amount of output torque from the smallest possible envelope size. They convert fluid power pressure into rotary motion for a wide variety of industrial applications. Double vane units produce twice the torque output of single vane actuators from identical envelope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

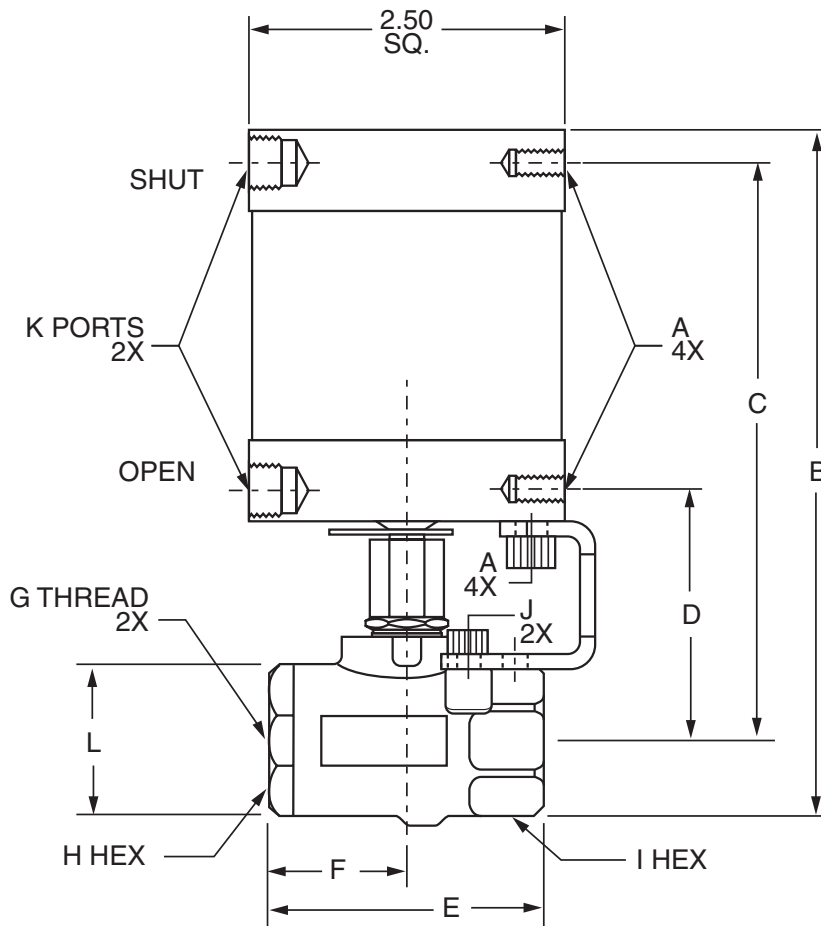
## Rotary Actuator Series ACT Features

- 1. Heads**-are precision machined from aluminum, then hard-coat anodized and PTFE impregnated to ensure long seal life and low breakaway pressure.
- 2. Body** - is machined from a one-piece aluminum extrusion that incorporates the stator for superior rigidity. The extrusion is hard-coat anodized and PTFE impregnated, resulting in a smooth, slick seal surface which guarantees long seal life and low breakaway pressure.

- 3. Shoulder Seal** - a nitrile-energized, PTFE seal is used to reduce bypass flow and friction, providing superior performance and long life.
- 4. Shaft Seal** - the high-quality, self-lubricated, abrasion-resistant nitrile seal is a multiple lobe construction for leakfree operation and greater reliability.
- 5. Shaft** - stainless steel provides high strength and corrosion resistance for the most demanding applications.
- 6. Bearings** - hard-coat anodized aluminum-bearing surface with permanent solid film lubricant provides substantial shaft support and wear resistance, ensuring continuous lubrication, high performance, and long life.
- 7. Mounting** - combination face and base mounting offer flexibility in application and design.
- 8. Vane Seal** - a special self-lubricated, abrasion-resistant nitrile compound is molded into a one-piece vane seal, providing low breakaway pressure and long life, even with no lubrication. The vane seal is also removable so that field repairs can be made, if necessary.
- 9. Vane** - a hard-coat anodized aluminum extrusion permanently affixed to shaft, forming a structurally sound assembly. The light weight also reduces inertia allowing faster operating speeds.



K



**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

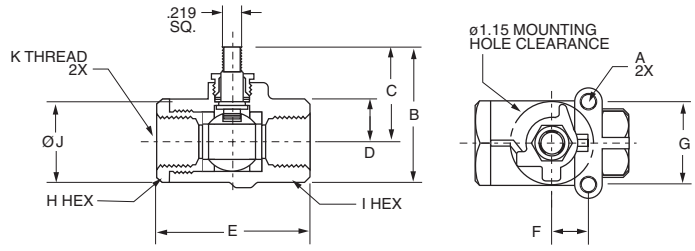


**Stainless Steel Rotary Actuator, Female Pipe Ends XV502SS-X-ACT**

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



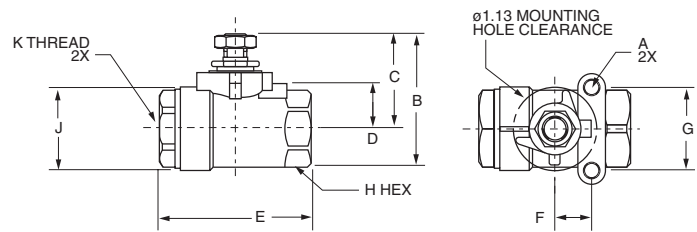


**Actuator Sub-Assembly XV502P-X-SUB**

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**

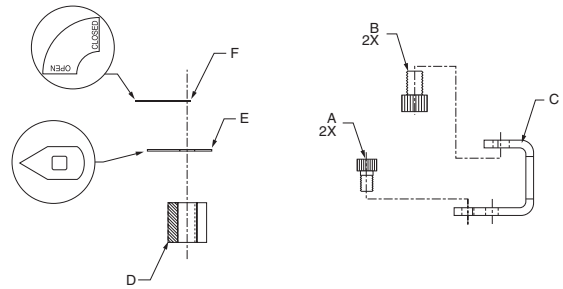
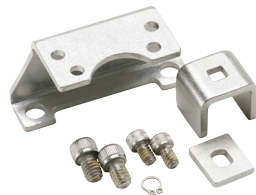
\* PTF Special Short

\*\* PTF Special Extra Short



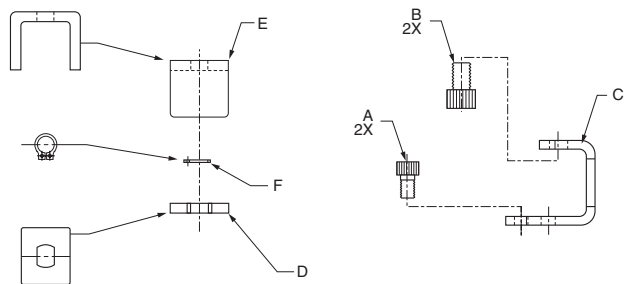
**Actuator Sub-Assembly XV502SS-X-SUB**

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

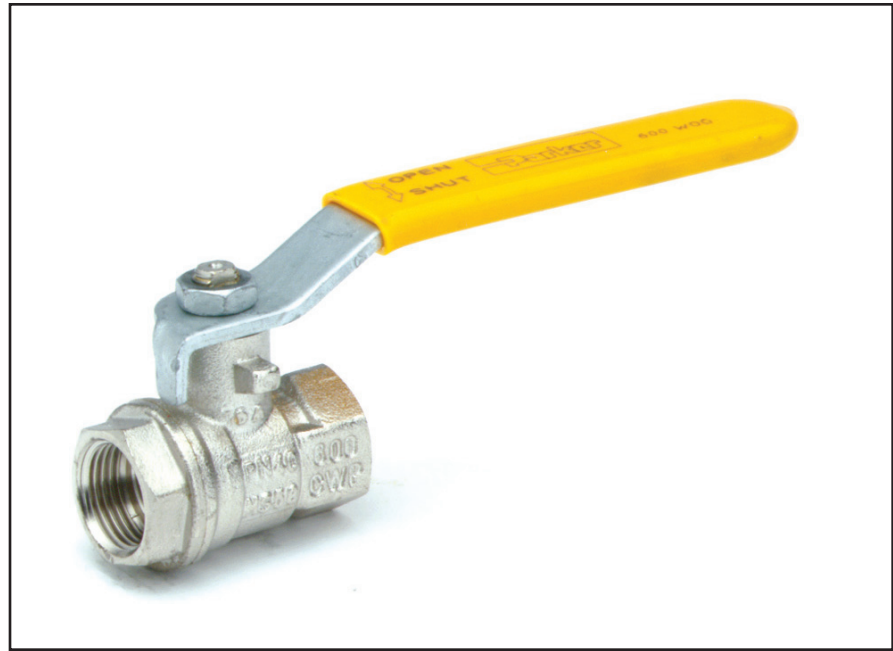




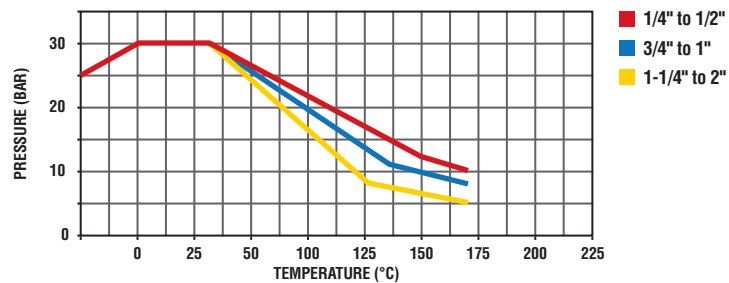
# Parker Metric Ball Valve Series BVGC

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS NICKEL PLATED TO DIN 17660 AND UNI 5705
BALL:	BRASS CHROME PLATED
SEATS / SEALS:	PTFE WITH SILICONE FREE LUBRICANT
PACKING GLAND:	PTFE
HANDLE:	LEVER – CARBON STEEL COMPACT – ALUMINUM

SPECIFICATIONS	
FEMALE BSPP SHORT THREADS MANUFACTURED IN ACCORDANCE TO ISO 228 / DIN 259	

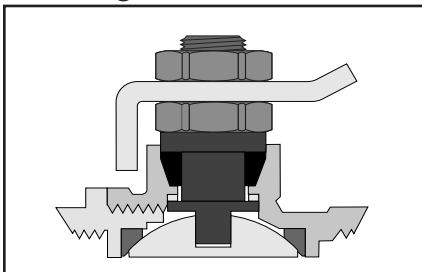


## Operating pressures and temperatures



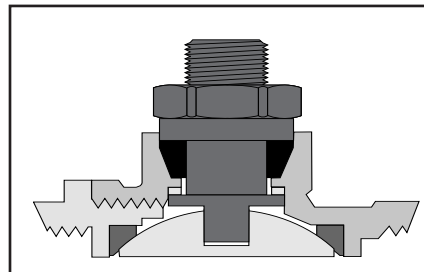
N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

## Advantages



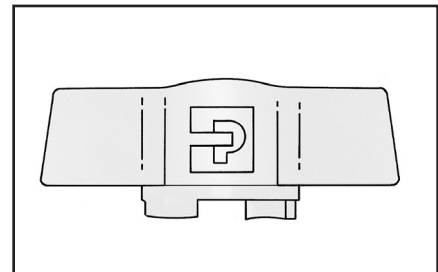
### Adjustable packing

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.



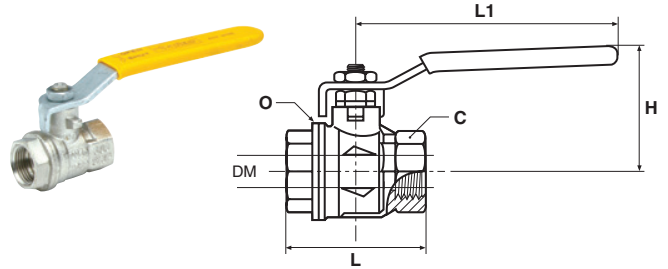
### Compact handle

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



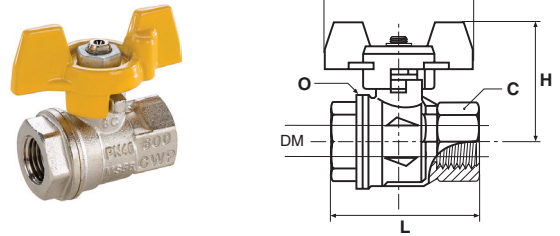
**BVGC BSPP Female/Female Valve With Lever Handle**

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



**BVGT 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

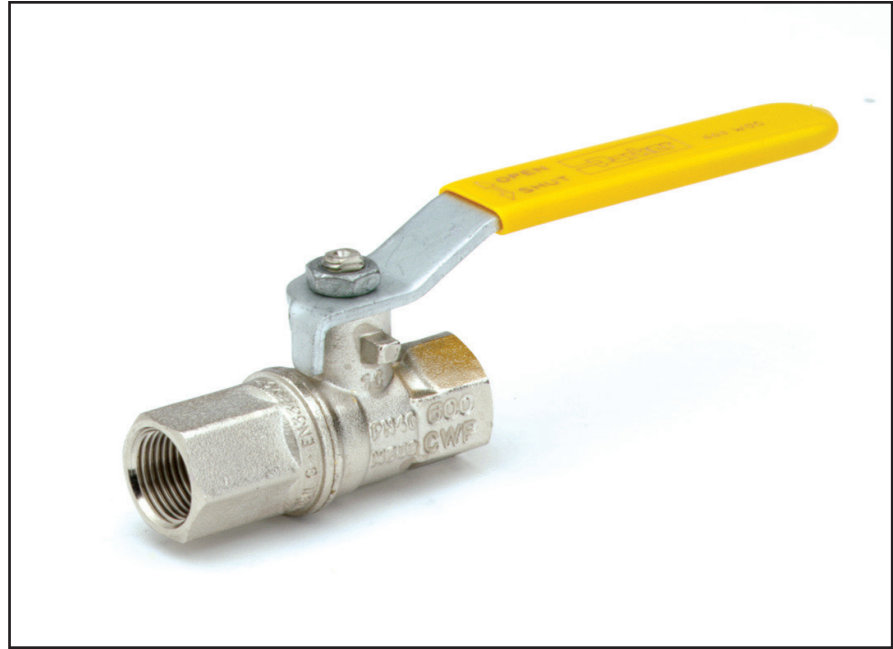




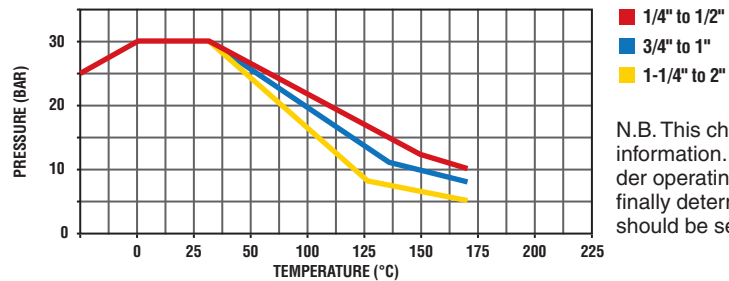
# Parker Metric Ball Valve Series BVGL

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS NICKEL PLATED TO DIN 17660 AND UNI 5705
BALL:	BRASS CHROME PLATED
SEATS / SEALS:	PTFE WITH SILICONE FREE LUBRICANT
STEM SEAL:	VITON O-RINGS
HANDLE:	LEVER – CARBON STEEL COMPACT – ALUMINUM

SPECIFICATIONS	
FEMALE THREADS MANUFACTURED IN ACCORDANCE TO DIN 2999/ISO 228.	

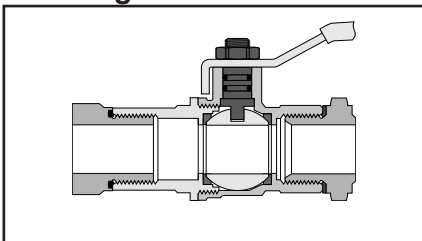


## Operating pressures and temperatures



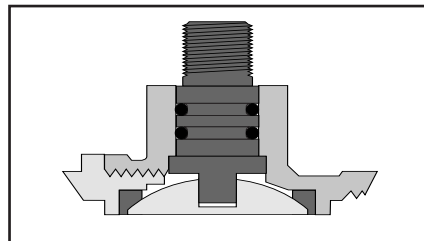
N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

## Advantages



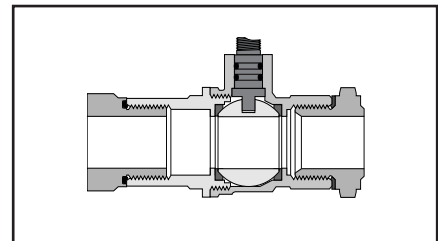
### Long female threads

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 Fluorocarbon O-rings for maximum safety and performance.



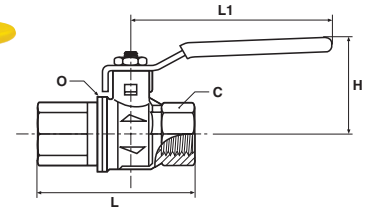
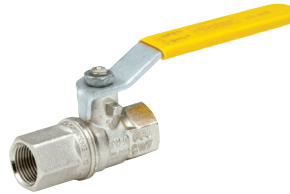
### Full flow

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



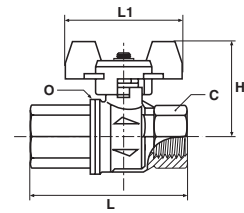
**BVGL BSPP Female/Female Valve with Lever Handle**

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



**BVGT4 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







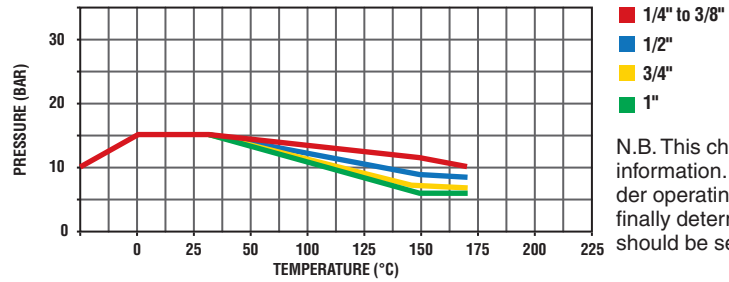
# Parker Metric Ball Valve Series BVGLOCK

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS NICKEL PLATED TO DIN 17660 AND UNI 5705
BALL:	BRASS CHROME PLATED
SEATS / SEALS:	PTFE WITH SILICONE FREE LUBRICANT
PACKING GLAND:	PTFE
HANDLE:	CARBON STEEL

SPECIFICATIONS	
MEETS 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.	



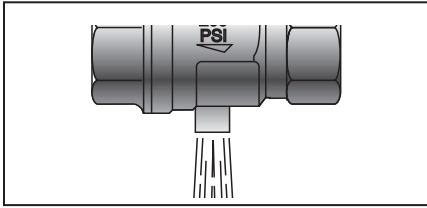
## Operating pressures and temperatures



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

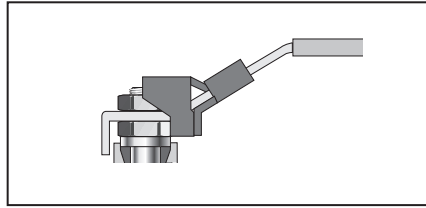


**Advantages**



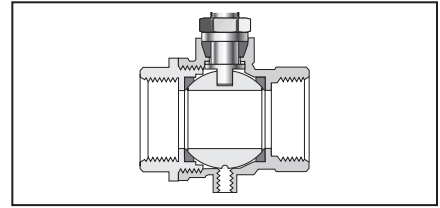
**Threaded Exhaust**

BVGPLOCK series ball valves are manufactured with an exhaust port, this safety feature enables the downstream air pressure to be vented when the valve is closed. 1/4-1" have M5 thread. 1.1/4 and larger are not threaded.



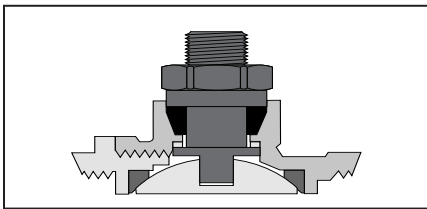
**Lockable Handle**

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. Sizes 1.1/4 and larger can be locked in both the open and closed positions.



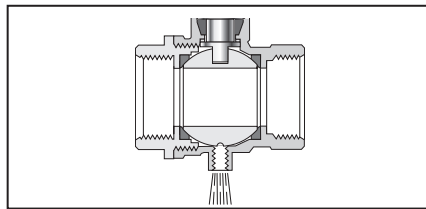
**DIN 2999 / ISO 228 Female Threads**

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.



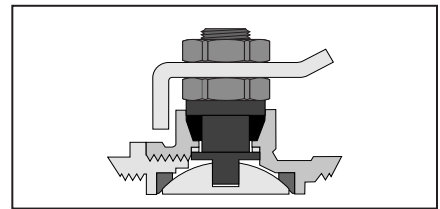
**Anti Extrusion Stem**

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.

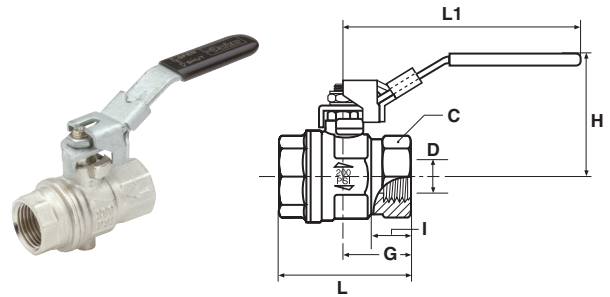


**Adjustable Packing**

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

**BVG4PLOCK BSPP Female/Female, Vented, Locking Handle**

PART NO.	D FLOW Ø	THREAD BSPP	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



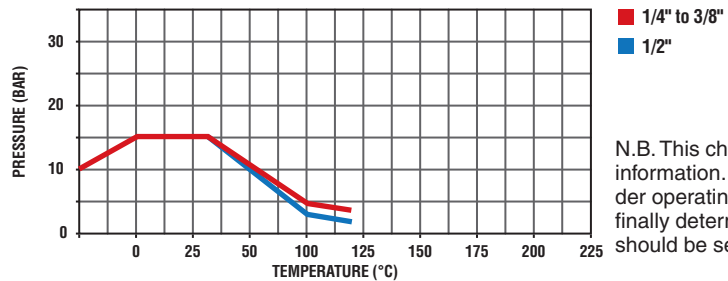


# Parker Metric Ball Valve Series MBVG

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS CHROMIUM PLATED
BALL:	BRASS CHROME PLATED
SEATS/SEALS:	PTFE
STEM SEAL:	VITON
HANDLE:	POLYAMIDE

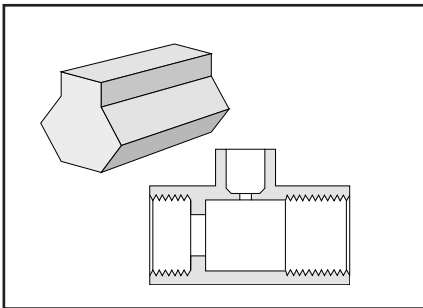


## Operating pressures and temperatures



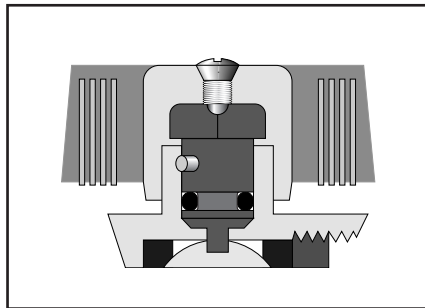
N.B. This chart gives general information. Only testing under operating conditions will finally determine which valve should be selected.

## Advantages



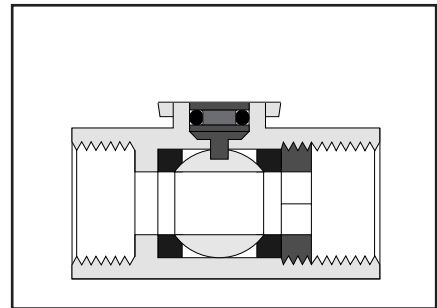
### Design of the body

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

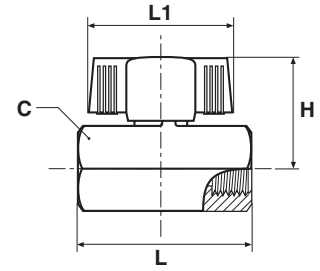


### Tightness of the seals

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 Valves Series 708/709

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS
BALL:	BRASS CHROME PLATED
SEATS/SEALS:	PTFE
STEM SEAL:	NITRILE
HANDLE:	CHROME PLATED STEEL

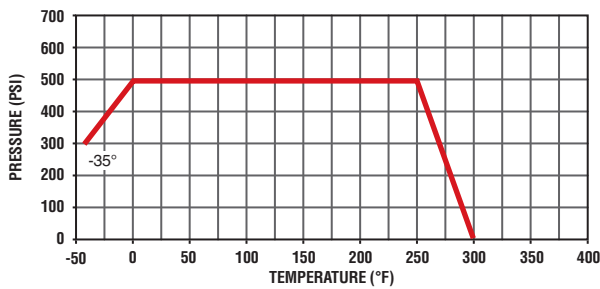
SPECIFICATIONS	
PRESSURE RANGE	UP TO 500 PSI VACUUM SERVICE TO 29" OF HG
TEMPERATURE RANGE	-35° TO +300°F
OPERATING INSTRUCTIONS	Quarter turn is "ON" or "OFF". (Provides positive stop action for full shutoff.)

STYLE	TYPE	SIZE
MV	708 / 709	-4
STYLE	MV-MICRO VALVE	
TYPE	708 - MALE / FEMALE 709 - FEMALE / FEMALE	
SIZE	4-1/4"	

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

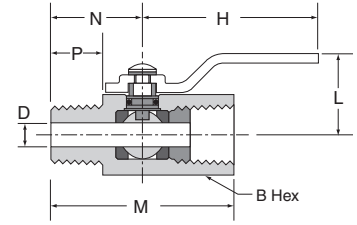


Parker's industrial ball valve product line is intended for general purpose use. Please be aware that ball valves are intended for use in the fully open or closed positions. Depending on application conditions, throttling of the valve may result in premature seal failure and / or inability to turn the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



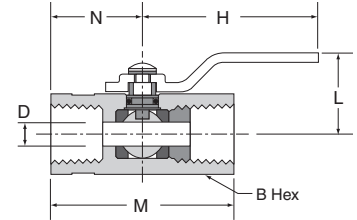
**Male-Female Pipe Ends, Mini Ball Valve MV708**

PART NO.	PIPE THREAD	B HEX	H	L	M	N	P	FLOW DIA. D
MV708-2	1/8	9/16	1.18	.63	1.62	.93	.38	.180
MV708-4	1/4	11/16	1.52	.70	1.57	.79	.50	.210



**Female Pipe Ends, Mini Ball Valve MV709**

PART NO.	PIPE THREAD	B HEX	H	L	M	N	FLOW DIA. D
MV709-2	1/8	9/16	1.18	.63	1.52	.68	.180
MV709-4	1/4	11/16	1.52	.70	1.57	.76	.210



**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
<b>XV500P (501,502,506,510,590,591)</b>								
-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
-10	2560-10097	2566-00178		2566-00179			2560-10100	
-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	—
<b>XV501SS &amp; XV502SS</b>								
-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
-20	—		2566-00134	—	2566-00110	—	—	2566-00185
-24	—		2566-00134	—	2566-00110	—	—	2566-00185
-32	—		2566-00134	—	2566-00110	—	—	2566-00185
<b>XV500CS &amp; XV502CS</b>								
-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	
<b>XV506CS</b>								
-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	

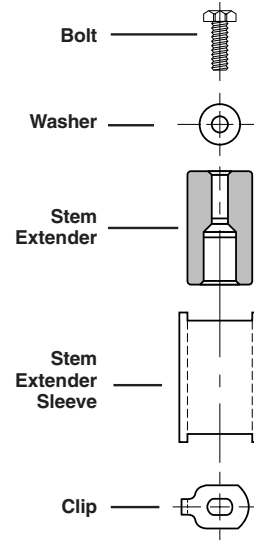


<b>STX</b>	Stem Extension Kit
<b>P</b>	For use on Brass Ball Valves
<b>1</b>	1: 1/4" thru 1/2" valves 2: 3/4" thru 1" valves
<b>125</b>	125: 1-1/4" extension length 225: 2-1/4" extension length

<b>STX</b>	Stem Extension Kit
<b>SS</b>	For use on Stainless Steel Ball Valves
<b>1</b>	1: 1/4" thru 1/2" valves 2: 3/4" thru 1" valves 3: 1-1/4"-2" valves
<b>125</b>	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

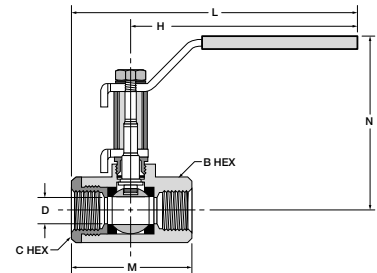
Note: Stem extensions cannot be used with series 509 and series 520.



**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

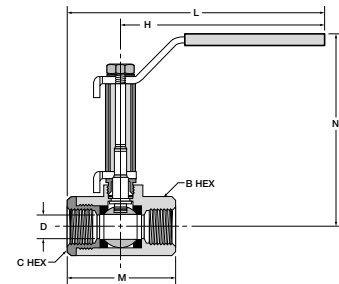
Note: Drawing shows STX-P assembled to XV500P series-not included



**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

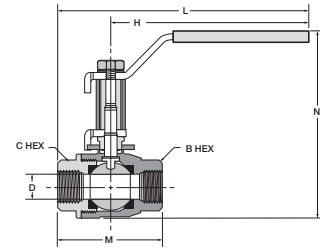




### Stainless Steel Valve Extension Dimensions STX-SS-1-X

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

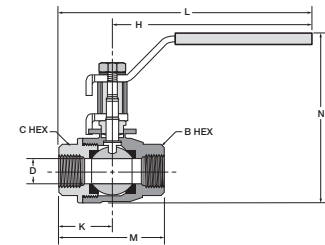
Note: Drawing shows STX-SS assembled to XV502SS series-not included



### 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 XV502SS series-not included

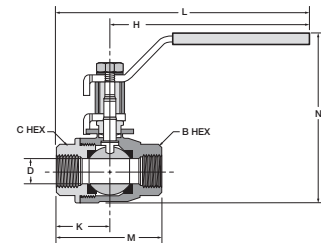


### Stainless Steel Valve Extension Dimensions STX-SS-3-X

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 XV502SS series-not included





# Mini Ball Valves Series 200/608/609

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS CHROME PLATED
BALL:	BRASS CHROME PLATED
SEATS/SEALS:	PTFE
STEM SEAL:	VITON
HANDLE:	608/609 – POLYAMIDE WEDGE 200 – POLYAMIDE LEVER

MV200 PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE	200 PSI
TEMPERATURE RANGE	0° TO +200°F

MV 608/609 PRESSURE AND TEMPERATURE RANGE	
PRESSURE RANGE	450 PSI
TEMPERATURE RANGE	0° TO +200°F



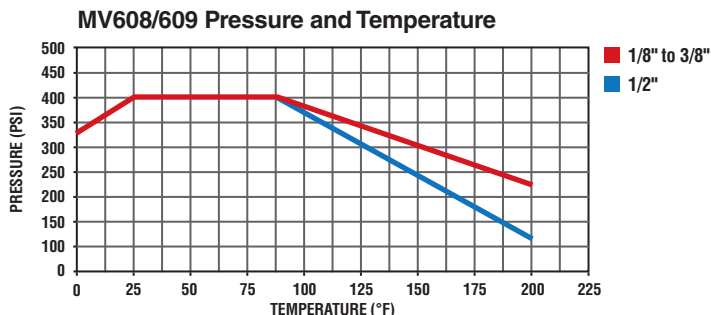
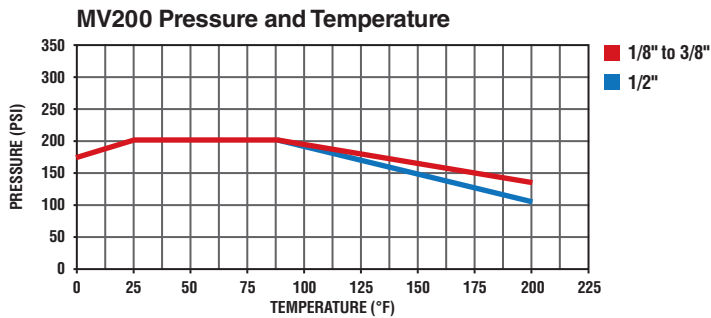
STYLE	TYPE	SIZE
MV	608 / 609	-2
STYLE	MV-MINI VALVE	
TYPE	608 - MALE / FEMALE 609 - FEMALE / FEMALE	
HANDLE COLOR	MV200 FEATURES A BLACK LEVER HANDLE MV608/MV609 FEATURES-YELLOW WEDGE HANDLES	
SIZE	2-1/8", 4-1/4", 6-3/8", 8-1/2"	

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.

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

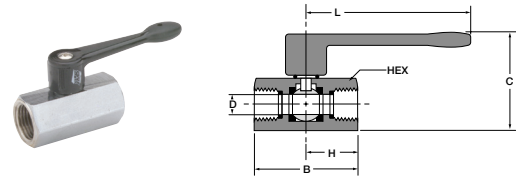


SPECIFICATIONS	
OPERATING INSTRUCTIONS	QUARTER TURN IS "ON" OR "OFF" (PROVIDES POSITIVE STOP ACTION FOR FULL SHUTOFF.)

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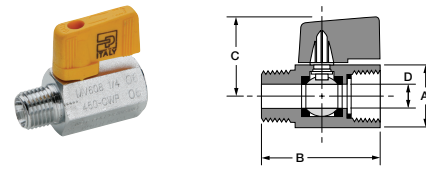
**Female Pipe Ends, Lever Handle, Mini Ball Valve MV200**

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



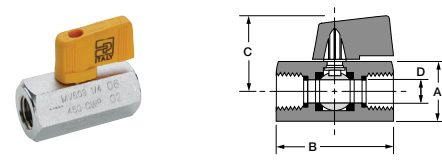
**Male-Female Pipe Ends, Compact Handle, Mini Ball Valve MV608**

PART NO.	PIPE THREAD	A HEX	B	C	FLOW DIA. D
MV608-2	1/8	.83	1.72	1.22	.20
MV608-4	1/4	.83	1.72	1.22	.31
MV608-6	3/8	.83	1.72	1.22	.31
MV608-8	1/2	.98	2.11	1.30	.39



**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	1.71	1.22	.24
MV609-4	1/4	.83	1.71	1.22	.31
MV609-6	3/8	.83	1.71	1.22	.31
MV609-8	1/2	.98	2.11	1.30	.39
MV609-6-4	3/8X1/4	.83	1.71	1.22	.31





# Plug Valves Series PV

MATERIALS OF CONSTRUCTION	
FITTING:	BRASS
NUT:	BRASS
FERRULE:	BRASS

NOMENCLATURE	
EXAMPLE: PV607-2-OPTIONS	ATTRIBUTE:
PV	PLUG VALVE
607	MALE TO MALE
2	1/8" MALE
N (NOT SHOWN)	NEOPRENE (BROWN)
V (NOT SHOWN)	FLOROCARBON (RED)

SPECIFICATIONS	
PRESSURE RANGE	UP TO 250 PSI
TEMPERATURE RANGE	-40° TO +175°F



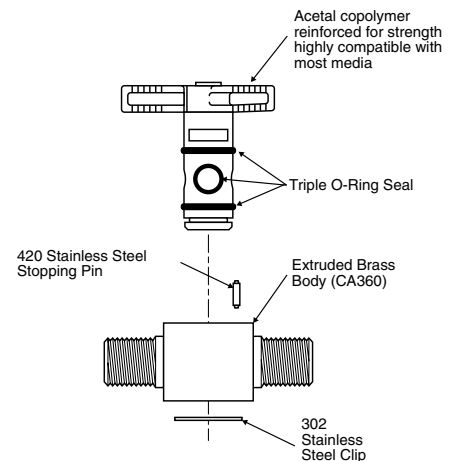
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## Installation Instructions

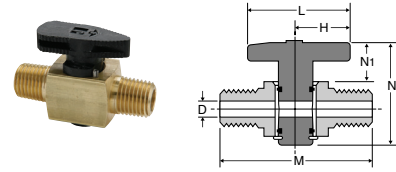
To assure sealability and reliable performance, the valve must be installed so that the flow media travels in the direction of the arrow on the valve handle.

## Valve Components



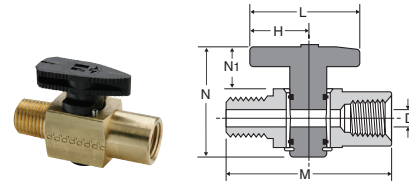
**Male Pipe to Male Pipe Plug Valve PV607**

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



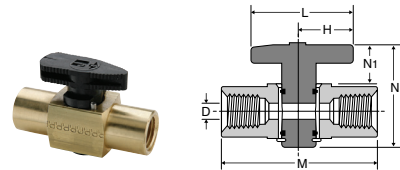
**Female Pipe to Male Pipe Plug Valve PV608**

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**

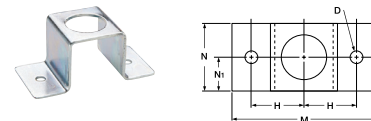
PART NO.	PIPE THREAD	H	L	M	N	N1	FLOW DIA. D
PV609-2	1/8	.67	1.34	1.68	1.38	.51	.200
PV609-4	1/4	.67	1.34	2.10	1.38	.51	.200



**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





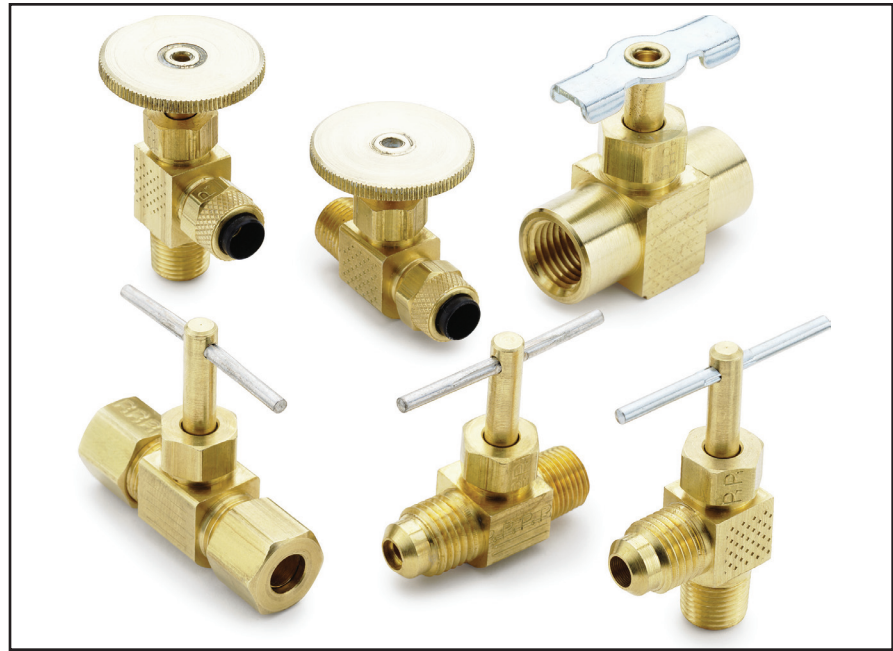
# Needle Valves, Truck Valves, Lanyard Valve

MATERIALS OF CONSTRUCTION	
VALVE BODY:	BRASS
STEM:	BRASS

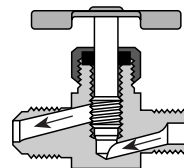
NEEDLE/TRUCK VALVE NOMENCLATURE	
EXAMPLE: NV101F-4-2	ATTRIBUTE:
NV	NEEDLE VALVE
101	ANGLE NEEDLE VALVE
F	FLARED TO MALE PIPE
4	1/4" TUBE O.D.
2	1/8" PIPE THREAD

LANYARD VALVE NOMENCLATURE	
EXAMPLE: LV91-4-060	ATTRIBUTE:
LV91	LANYARD VALVE
4	1/4" PIPE THREAD
060	LENGTH OF CABLE IN INCHES

SPECIFICATIONS	
PRESSURE RANGE	VALVES UP TO 150 PSI UNLESS OTHERWISE NOTED
TEMPERATURE RANGE	SEE SPECIFIC PART NUMBER FOR TEMPERATURE RANGE

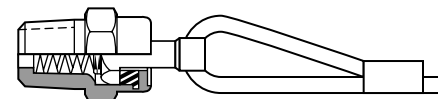


Needle and truck valves have metal-to-metal seats with fine thread screwdown. The lanyard valves' compact design is ideally suited for releasing condensate from air tanks. Brass construction with specially formulated low temperature seal which remains elastic to temperature as low -40°F.



### 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.

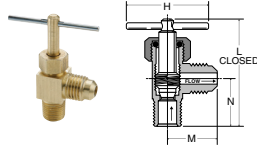


### Lanyard Valve Operating Instructions

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.

### Angle Needle Valve NV101F

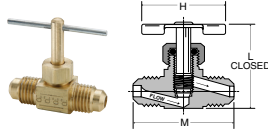
Flare to Male Pipe  
Temperature Range: -45° to +250° F



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

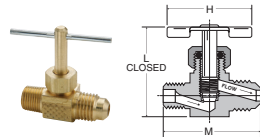
Flare to Flare \*Provided with Pin Handle  
Temperature Range: -45° to +250° F



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

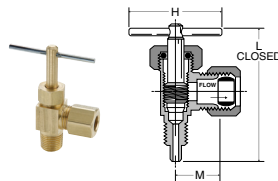
Flare to Male Pipe \*Provided with Pin Handle  
Temperature Range: -45° to +250° F



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

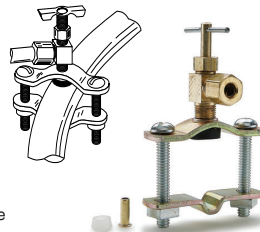
Temperature Range: -45° to +250° F



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

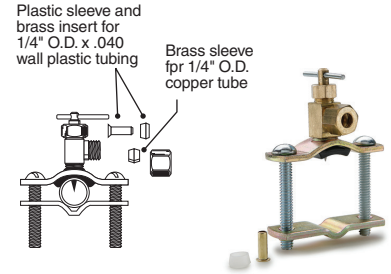
Temperature Range: -30° to +250° F  
Clamp fits 3/8" O.D. through 1.315" O.D. tube or pipe.  
Kit includes 60PT-4 and 63PT-4 for assembly with plastic or nylon tubing. For complete kit, specify entire part number as shown below:



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

### Self-Piercing Humidifier Valve clamp kit SPV104C-kit

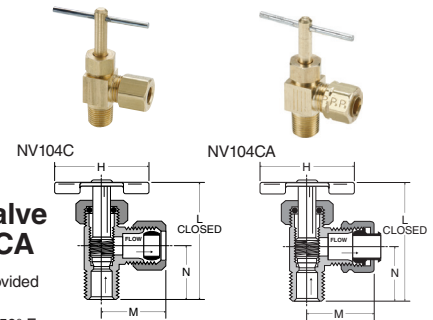
Temperature Range: -30° to +250° F  
Clamp fits 3/8" O.D. through 1.315" O.D. tube or pipe. Kit includes 60PT-4 and 63PT-4 for assembly with plastic or nylon tubing. For complete kit, specify entire part number as shown below:



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

### Angle Needle Valve NV104C-NV104CA

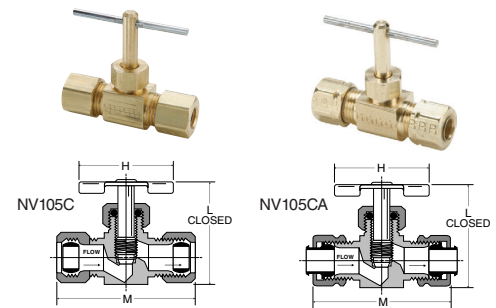
Compression to Male Pipe \*Provided with Pin Handle  
Temperature Range: -45° to +250° F



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

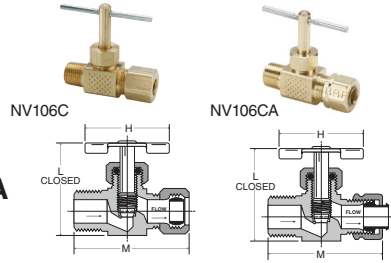


PART NO.	TUBE SIZE	H	L	M
NV105C-4*	1/4	1.50	1.41	1.75
NV105C-5*	5/16	1.50	1.35	1.73
NV105C-6	3/8	1.38	1.55	1.93
NV105CA-4*	1/4	1.50	1.41	1.64
NV105CA-6	3/8	1.38	1.55	1.78



### Needle Valve NV106C-NV106CA

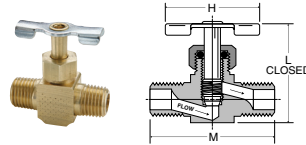
Compression to Male Pipe  
 \*Provided with Pin Handle  
 Temperature Range: -45° to +250° F



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

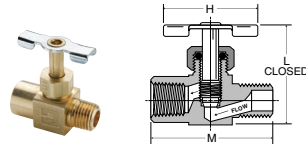
Male Pipe to Male Pipe  
 \*Provided with Pin Handle  
 Temperature Range: -45° to +250° F



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

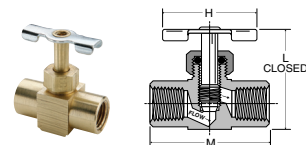
Female Pipe to Male Pipe  
 \*Provided with Pin Handle  
 Temperature Range: -45° to +250° F



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

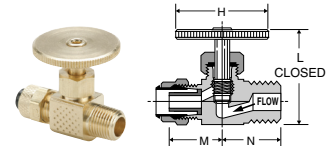
Female Pipe to Female Pipe  
 \*Provided with Pin Handle  
 Temperature Range: -45° to +250° F



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	1.60

### Needle Valve NV311P

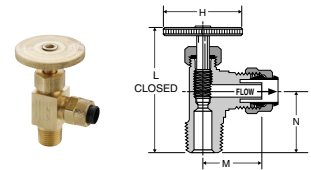
Poly-Tite to Male Pipe  
 Temperature Range: 0° to +150° F



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

### Angle Needle Valve NV312P

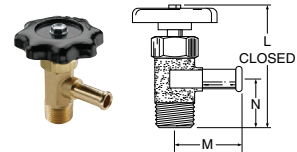
Poly-Tite to Male Pipe  
 Temperature Range: 0° to +150° F



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

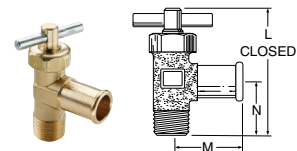
Hose to Male Pipe  
 Temperature Range: -30° to +250° F



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



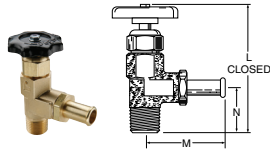
PART NO.	HOSE I.D.	PIPE THREAD	FLOW	L	M	N
V404PH-10-6	5/8	3/8	.406	2.47	1.31	1.09





### Truck Valve SV404P

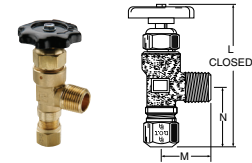
Hose to Male Pipe  
Temperature Range: -30° to +250° F



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 V410NTA

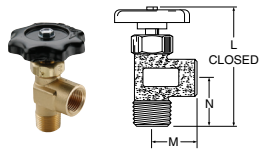
Tube to Male Pipe  
Temperature Range: -30° to +250° F



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 V405P

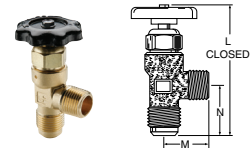
Female Pipe to Male Pipe  
Temperature Range: -30° to +250° F



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 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

LV91HF-4-SUB



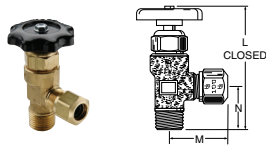
### Lanyard Valve LV91

Temperature Range: -40° to +200° F



### Truck Valve V408NTA

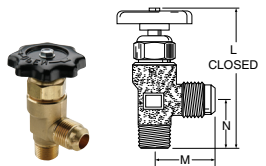
Tube to Male Pipe  
Temperature Range: -30° to +250° F



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





# Drain Cocks/ Ground Plug Shutoff

DRAIN COCK NOMENCLATURE	
EXAMPLE: DC604-2	ATTRIBUTE:
DC	DRAIN COCK
604	EXTERNAL SEAT
2	1/8 PIPE THREAD

GROUND PLUG SHUTOFF NOMENCLATURE	
EXAMPLE: V204F-4-2	ATTRIBUTE:
V	VALVE
204	FLARED TO MALE PIPE
F	FLARED
4	1/4 TUBE O.D.
2	1/8 PIPE THREAD

SPECIFICATIONS	
GROUND PLUG SHUTOFF:	30 PSI
DRAIN COCKS	150 PSI
TEMPERATURE RANGES:	SEE SPECIFIC PART NUMBER FOR TEMPERATURE RANGE
OPERATING FLUID:	AIR, WATER, GAS AND CERTAIN OTHER FLUIDS.
NOTE:	LUBRICANT MAY NOT BE COMPATIBLE WITH SOME FLUIDS, CONTACT FACTORY FOR SPECIAL FLUID REQUIREMENTS

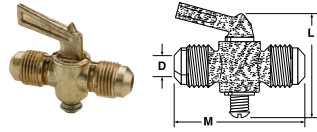


Drain cocks are manufactured in both external and internal seats. Ground plug shutoffs are manufactured from castings or forged bodies for extra strength. Hand tightening provides a metal - to - metal seal.



### Ground Plug Shutoff V203F

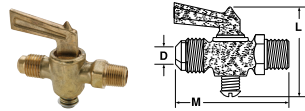
Flare to Flare  
Temperature Range: +32° to +125° F



PART NO.	TUBE SIZE	L	M	FLOW DIA. D
V203F-6-6	3/8	2.26	2.13	.220
V203F-8-8	1/2	2.26	2.50	.281

### Ground Plug Shutoff V204F

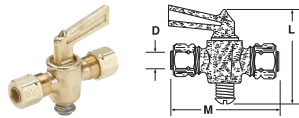
Flare to Male Pipe  
Temperature Range: +32° to +125° F



PART NO.	TUBE SIZE	PIPE THREAD	L	M	FLOW DIA. D
V204F-4-2	1/4	1/8	1.85	2.00	.188
V204F-6-4	3/8	1/4	1.85	2.18	.218

### Ground Plug Shutoff V303C / V303CA

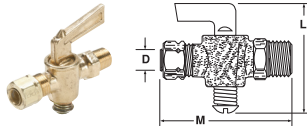
Compression to Compression  
Temperature Range: +32° to +125° F



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

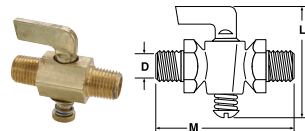
Compression to Male Pipe  
Temperature Range: +32° to +125° F



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

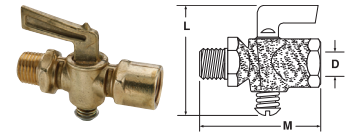
Male Pipe to Male Pipe  
Temperature Range: +32° to +125° F



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

### Ground Plug Shutoff V402P

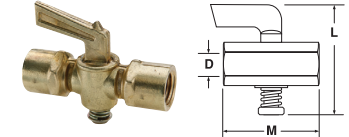
Female Pipe to Male Pipe  
Temperature Range: +32° to +125° F



PART NO.	FEMALE PIPE THREAD	PIPE THREAD	L	M	FLOW DIA. D
V402P-2-2	1/8	1/8	1.85	1.78	.218
V402P-4-4	1/4	1/4	1.86	2.26	.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

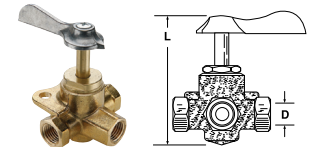


PART NO.	FEMALE PIPE THREAD	L	M	FLOW DIA. D
V403P-2-2	1/8	1.90	1.51	.218
V403P-4-4	1/4	1.90	1.65	.188
V403P-6-6*	3/8	2.25	2.00	.250

\*Made from extruded bar stock

### Three-way valve V406P

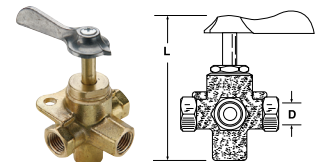
Female Pipe three ends  
Temperature Range: -40° to +180° F



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

### Four-way valve V407P

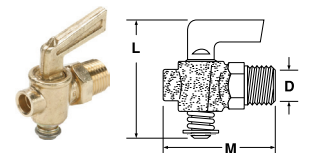
Female Pipe four ends  
Temperature Range: -40° to +180° F



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

### Ground Plug Shutoff DC601

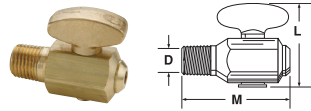
Temperature Range: +32° to +125° F



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



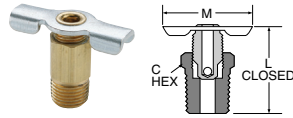
### Drain Cock DCR601



Temperature Range: -30° to +250° F

PART NO.	PIPE THREAD	L	M	FLOW DIA. D
DCR601-4	1/4	1.41	1.73	.156

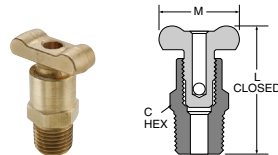
### Internal Seal Drain Cock DC602



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

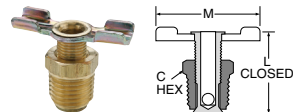
### Drain Cock DC603



Temperature Range: -65° to +250° F

PART NO.	PIPE THREAD	C HEX	L	M
DC603-2	1/8	5/8	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

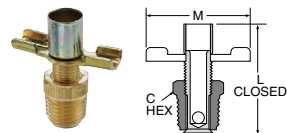


Temperature Range: -25° to +250° F

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

\*When assembled handle wings are down facing

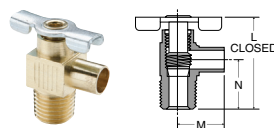
### External Seal Drain Cock DC606



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

