

Brass Ball Valves Series 500

Advantages

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

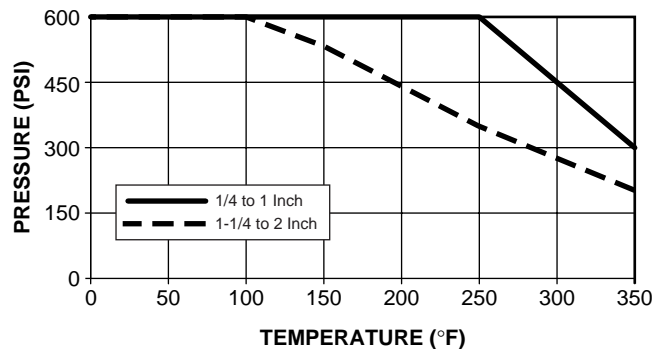
Applications

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

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

Working Pressure and Temperature

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



Operating Instructions

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

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

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

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

Flow Data

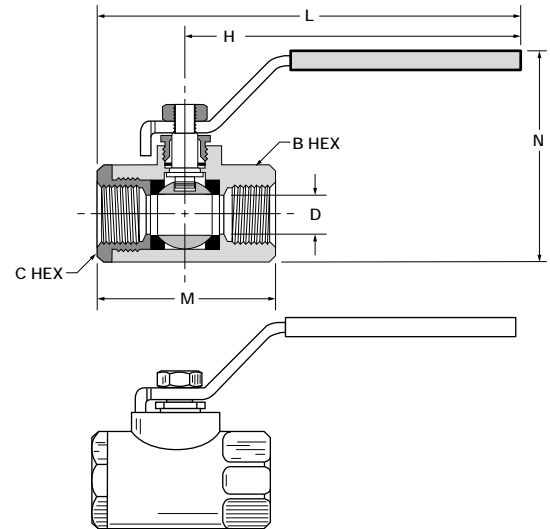
VALVE SIZE	CV
1/4	4.0
3/8	5.8
1/2	12.0
3/4	35.0
1	54.0
1-1/4	57.0
1-1/2	92.0
2	224.0

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Female-Female Pipe Ends XV500P

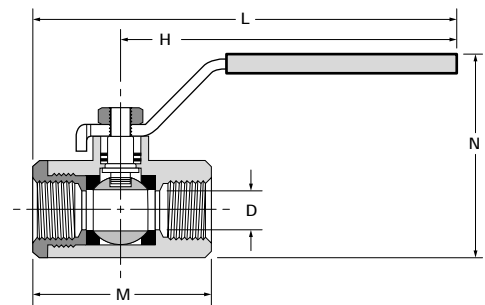
PART NO.	PIPE THREAD [PTF]	B HEX	C HEX	H	L	M	N	FLOW DIA.D
XV500P-4	1/4	15/16	15/16	3.96	4.90	2.03	2.47	.375
XV500P-6	3/8	15/16	15/16	3.96	4.90	2.03	2.47	.375
XV500P-8	1/2	1-1/16	1-1/16	3.96	5.00	2.20	2.58	.500
XV500P-12	3/4*	1-1/4	1-5/16	3.96	5.25	2.42	2.81	.685
XV500P-16	1*	1-1/2	1-9/16	3.96	5.34	2.75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

*PTF special extra short



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

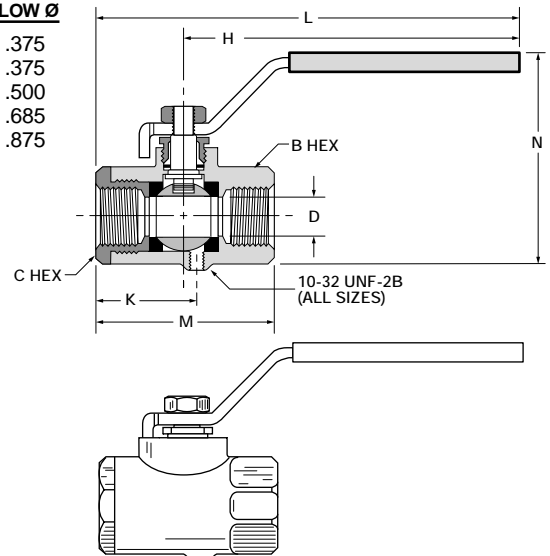
PART NO.	PIPE THREAD [PTF]	OCTAGON	H	L	M	N	FLOW DIA.D
XV500P-20	1-1/4	1.93	6.22	8.05	3.66	3.98	1.18
XV500P-24	1-1/2	2.13	6.22	8.23	4.02	4.43	1.50
XV500P-32	2	2.69	6.22	8.58	4.76	5.02	1.89



Vented, Female Pipe Ends XV500P

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

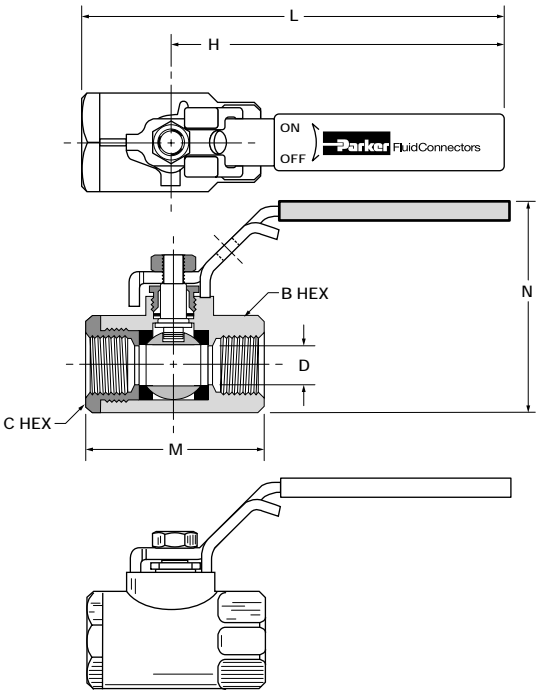
*PTF special extra short



Locking Handle, Female Pipe Ends XVP500P

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

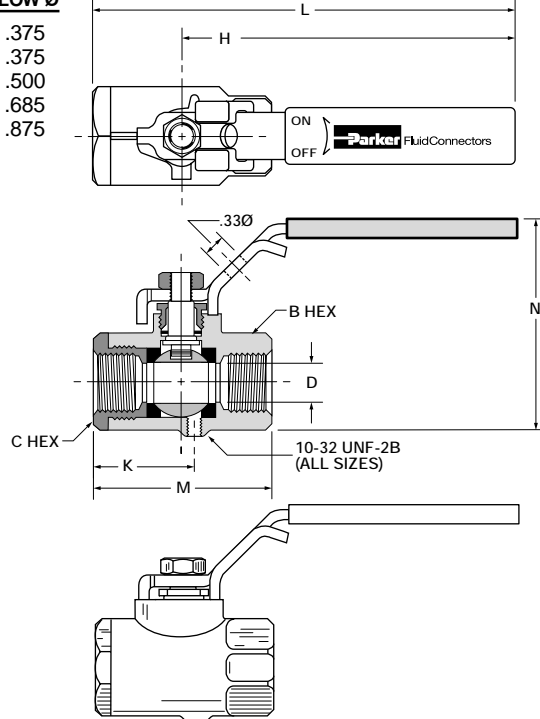
For use with 9/32" Ø shank lock; .31Ø
 *PTF special extra short



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

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

For use with 5/16" Ø shank lock
 *PTF special extra short

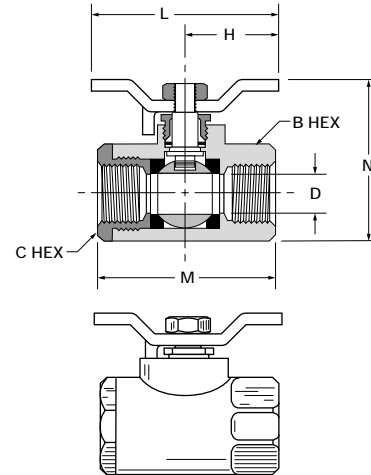


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Tee Handle, Female Pipe Ends XV500P-X-04

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

*PTF special extra short



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 extra short

