THREE-PIECE BALL VALVES

HAM-LET H-500 SERIES

- Working pressures up to 3000 psig (206 bar)
- Manual, pneumatic and electric operation
- Fugitive Emission free ISO15848 Certified
- Full bore design for sizes: 1- ¼”, 1-1/2” and 2”
- Stainless steel 316 construction

H-500 FEATURES

- MAWP[1] 3000 psig (206 barg), 2000 psig (137 barg) for “Full Bore (FP)” option
- MAWT[2] 450°F (232°C)
- Certified for fugitive Emission free ISO15848
- Blow-out proof stem with Belleville washer design for long life stem sealing
- Integrated locking device
- Manual, pneumatic and electric operation
- Variable end connection types and sizes from 1/4” to 2” or 6mm to 50mm
- Flow coefficient (Cv) from 1.2 to 350

[1]Maximum Allowed Working Pressure
[2]Maximum Allowed Working Temperature

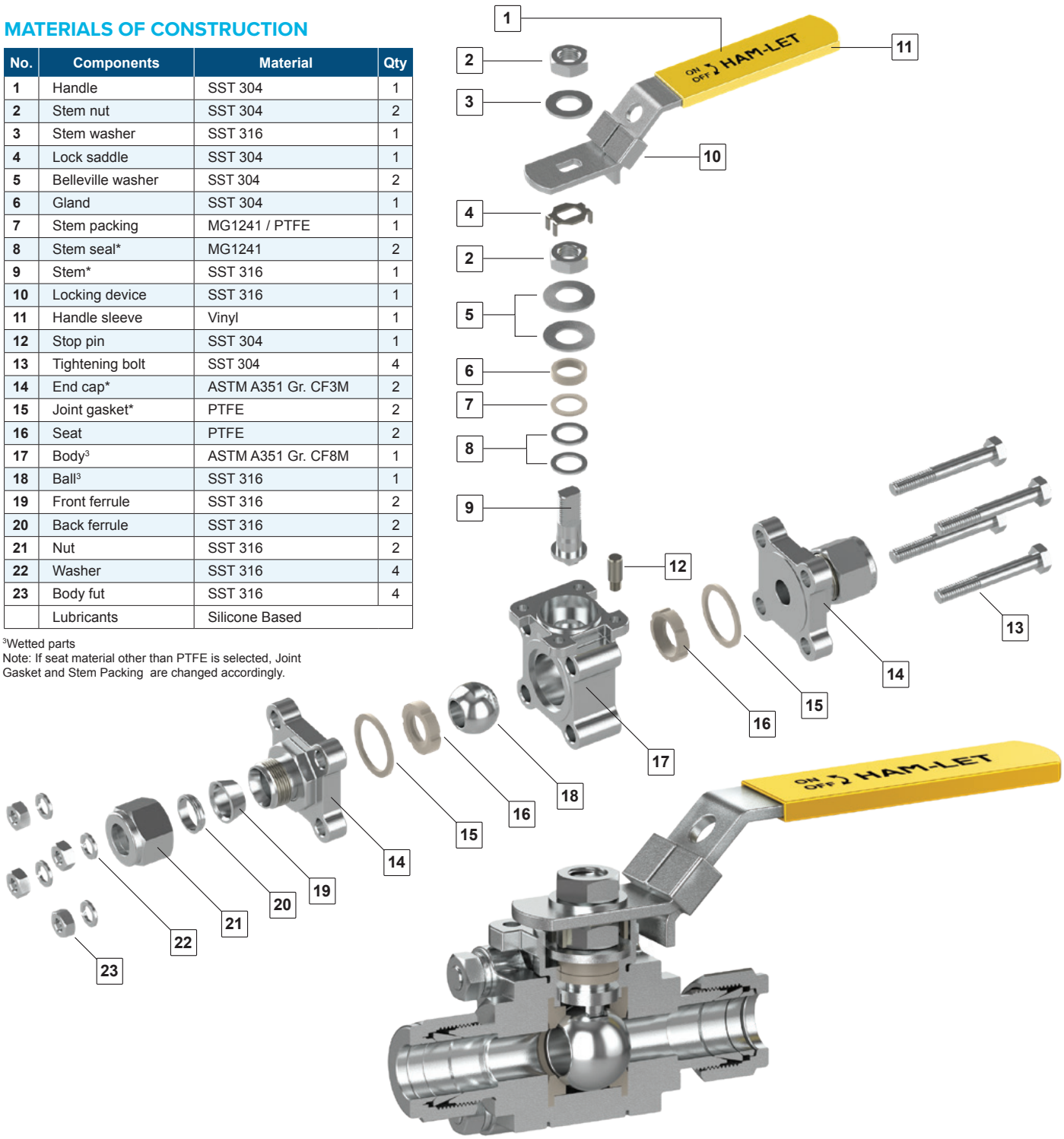
GENERAL

The H-500 series is a moderate-pressure instrumentation ball valve for general service and instrumentation panels. The valves offer large ports for high flow, tight shutoff, long-life service and low operating torque.
The H-500 series can be used for bi-directional flow, is rated to maximum 3,000 psig (204 bar) and performs as on/off service.

MATERIALS OF CONSTRUCTION

No.	Components	Material	Qty
1	Handle	SST 304	1
2	Stem nut	SST 304	2
3	Stem washer	SST 316	1
4	Lock saddle	SST 304	1
5	Belleville washer	SST 304	2
6	Gland	SST 304	1
7	Stem packing	MG1241 / PTFE	1
8	Stem seal*	MG1241	2
9	Stem*	SST 316	1
10	Locking device	SST 316	1
11	Handle sleeve	Vinyl	1
12	Stop pin	SST 304	1
13	Tightening bolt	SST 304	4
14	End cap*	ASTM A351 Gr. CF3M	2
15	Joint gasket*	PTFE	2
16	Seat	PTFE	2
17	Body[3]	ASTM A351 Gr. CF8M	1
18	Ball[3]	SST 316	1
19	Front ferrule	SST 316	2
20	Back ferrule	SST 316	2
21	Nut	SST 316	2
22	Washer	SST 316	4
23	Body fut	SST 316	4
	Lubricants	Silicone Based	

[3]Wetted parts
Note: If seat material other than PTFE is selected, Joint Gasket and Stem Packing are changed accordingly.



PACKING ADJUSTMENT

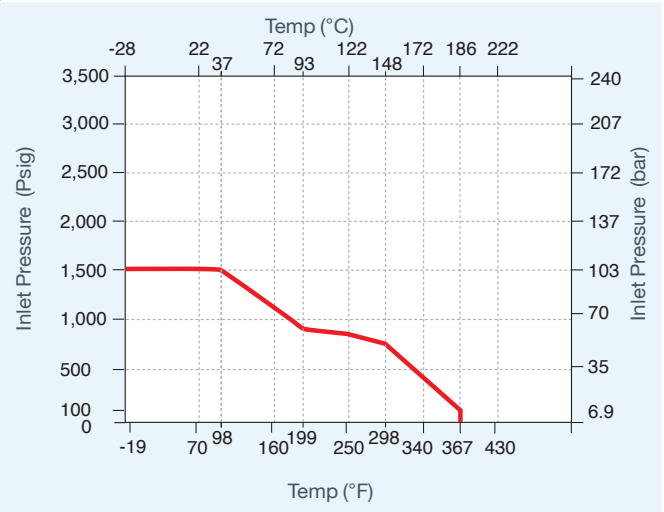
Due to the varied service applications of the valve, packing adjustment may occasionally be necessary. Packing is factory adjusted to 1,000 psig service. Please find more information on H-500 under Installation Instructions.

⚠ Initial packing adjustment is recommended after installation and prior to start-up.

⚠ Valves that have not been operated for a period of time will introduce a higher actuation torque.

PRESSURE TEMPERATURE RATING

VIRGIN PTFE SEAT

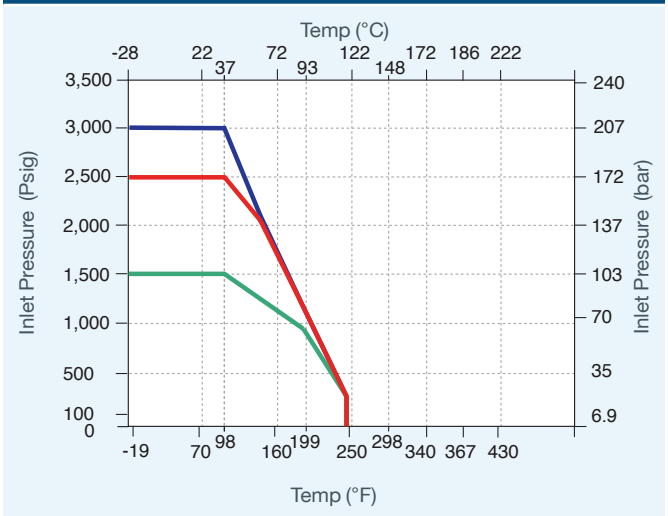


PTFE (Virgin PTFE) Color-White

PTFE is a good all around, general-purpose seat material. PTFE has outstanding resistance to chemical attacks by a broad range of organic chemicals, inorganic chemicals and solvents, and is generally considered chemically inert. PTFE is a self lubricating polymer with a very low coefficient of friction, which makes an excellent seat material.

For all sizes

UHMWPE SEAT

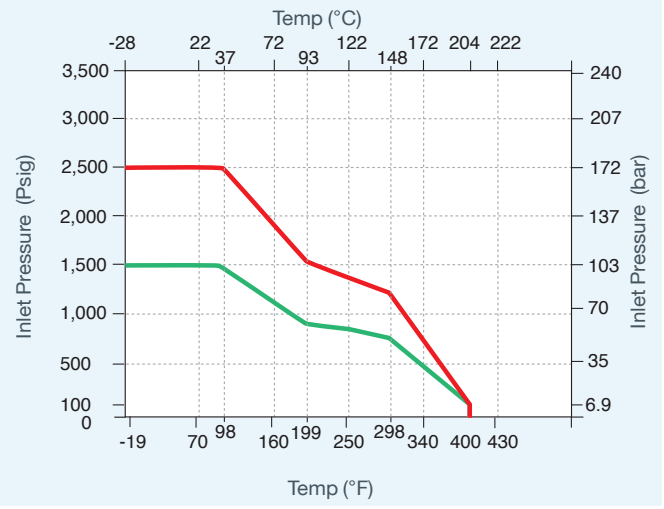


UHMWPE Ultra High Molecular Weight Polyethylene

UHMWPE is a very tough material, highly resistant to corrosive chemicals and suitable for low-radiation service. UHMWPE is self-lubricating, highly resistant to abrasion, has an extremely low moisture absorption and a very low coefficient of friction.

Up to 1/2" 3/4" to 1" 1-1/4" to 2"

MODIFIED PTFE SEATS



MODIFIED PTFE - (PFA and PTFE composite) Color-Bright White

MODIFIED PTFE is an excellent seat material for purity applications and has very low residual material during operation. It has a lower deformation ratio than PTFE, but a higher pressure and temperature rating than PTFE. Chemical resistance is equal to PTFE material.

1/4" to 1" 1-1/4" to 2"

TESTING

The H-500 design has been tested for burst and proof. Standard testing for each H-500 valve includes testing with nitrogen at 80 and 1,000 psig. Each valve is tested for leakage through the shell, packing and ball seats. The maximum allowable leakage across the ball seats is 0.1 std cc/min.

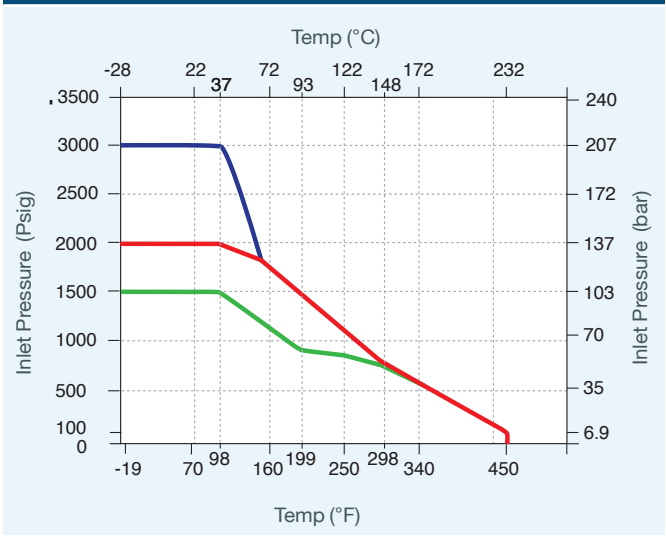
⚠ HAM-LET ball valves are designed for operation in the fully closed or fully open position.

CLEANING & PACKAGING

Every H-500 ball valve is cleaned in accordance with Standard Cleaning and Packaging (Procedure 8184). Oxygen Clean & Lubricant-Free Cleaning and Packaging, in accordance with Special Cleaning and Packaging (Procedure 8185), is available as an option.

⚠ Lubricant-free cleaned valves have significantly higher actuation torque.

SST POWDER 50% FILLED PTFE SEATS

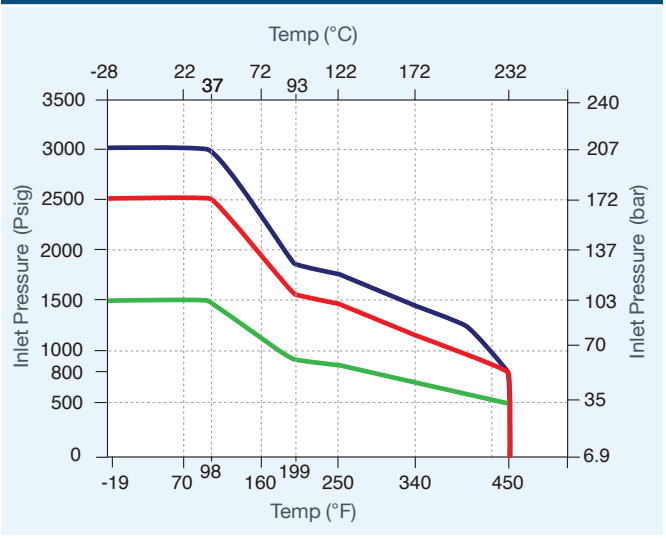


SST. Powder Filled PTFE Color - Gray

Excellent seat material for general applications to prevent over expansion and seat extrusion. It has a lower deformation ratio than PTFE, but a higher pressure and temperature rating. Chemical resistance is equal to PTFE material.

Up to 1/2" 3/4" to 1" 1-1/4" to 2"

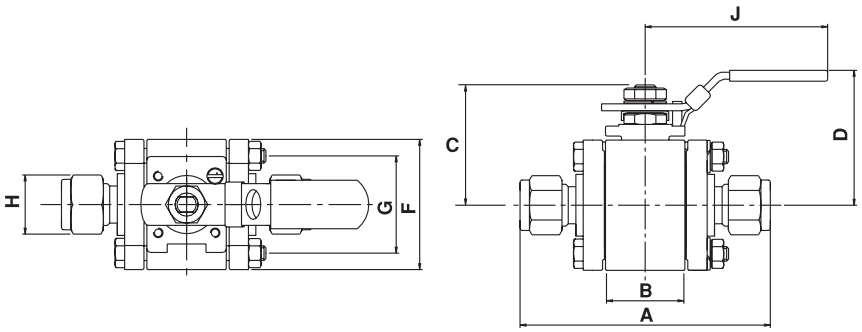
PEEK SEATS



PEEK (Poly Ether Ether Keton) Color-Offwhite

Excellent seat material for high-pressure and high-temperature applications, with excellent chemical resistance. Can be used continuously to 450°F (232°C) and in hot water or steam without permanent loss in physical properties.
High strength for hostile environment and high pressure.

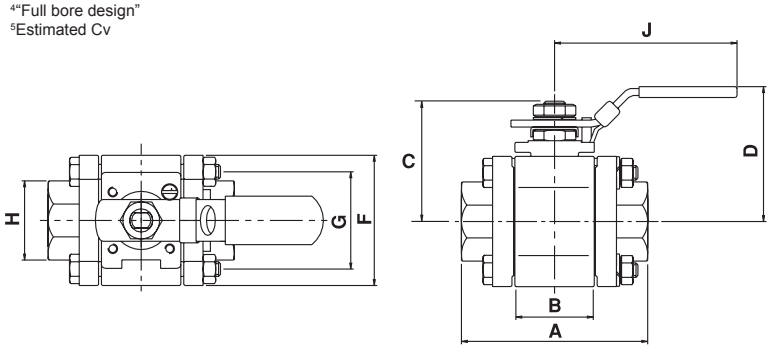
Up to 1/2" 3/4" to 1" 1-1/4" to 2"



H-500 LET-LOK® CONFIGURATION DIMENSIONS

SERIES	End Connection		Orifice		Cv	Ball ID		A		B		F		C		D		H		J		G	
	mm	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
H-500S	6	1/4	4.8	0.19	1.2	4.8	0.19	80.5	3.17	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	14.3	0.56	61.0	2.40	25.5	1.00
	10	3/8	7.1	0.28	3.7	7.1	0.28	80.5	3.17	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	17.5	0.69	61.0	2.40	25.5	1.00
H-500	6	1/4	4.8	0.19	1.2	10.6	0.42	80.5	3.17	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	14.2	0.56	121.5	4.78	32	1.26
	8	3	7.2	0.29	3.7	10.6	0.42	83.3	3.28	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	17.46	0.68	121.5	4.78	32	1.26
	12	1/2	10.3	0.40	7.6	11.0	0.43	92.3	3.63	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	22.2	0.87	121.5	4.78	32.0	1.26
	20	3/4	13.0	0.51	13.6	14.1	0.56	92.7	3.65	24.6	0.97	50.8	2.00	44.0	1.73	60.0	2.36	28.6	1.13	121.5	4.78	38.2	1.50
	25	1[4]	20.0	0.79	36.0[5]	20.0	0.79	124.4	4.90	31.8	1.25	60.0	2.36	56.7	2.23	74.5	2.93	38.1	1.50	151	5.94	44.0	1.73
	38	1 1/2[4]	32.0	1.26	200[5]	32.0	1.26	179.6	7.07	42.2	1.66	69	2.71	77.5	3.051	93.8	3.69	57.15	2 1/4	156	6.14	57.2	2.25
	50.8	2[4]	46.0	1.82	350[5]	50.8	2	239.9	9.44	63.8	2.5	138	5.43	105.93	4.17	122.81	4.83	76.2	3	181	7.12	114	4.48

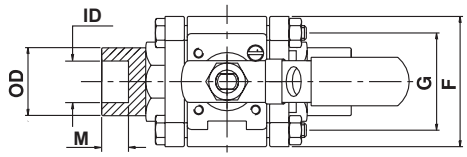
[4]"Full bore design"
[5]Estimated Cv

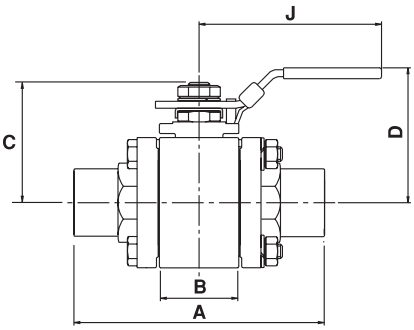


H-510 FEMALE NPT / BSPT STANDARD DIMENSIONS

SERIES	End Connection	Orifice		Cv	Ball ID		A		B		F		C		D		H		J		G	
	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
H-510S	1/4	7.1	0.28	1.2	7.1	0.28	54.9	2.16	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	19.0	0.75	61.0	2.40	25.5	1.00
H-510	1/4	11	0.43	10	11	0.43	70	2.76	20.6	0.81	44	1.73	40.5	1.59	56.5	2.22	27	1.06	121.5	4.78	32	1.26
	3/8	11.0	0.43	10	11.0	0.43	70.0	2.76	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	27.0	1.06	121.5	4.78	32.0	1.26
	1/2	11.0	0.43	10	11.0	0.43	70.0	2.76	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	27.0	1.06	121.5	4.78	32.0	1.26
	3/4	14.1	0.56	12.0	14.1	0.56	74.0	2.91	24.6	0.97	50.8	2.00	44.0	1.73	60.0	2.36	33.0	1.30	121.5	4.78	38.2	1.50
	1[4]	20.0	0.79	36.0[5]	20.0	0.79	99.0	3.90	31.8	1.25	60.0	2.36	56.7	2.23	74.5	2.93	42.0	1.65	151	5.94	44.0	1.73
	1 1/4[4]	31	1.22	95[5]	32	1.26	110	4.331	42.2	1.66	77.2	3.04	78	3.07	94.44	3.71	50.5	1.99	156	6.14	57.2	2.25
	1 1/2[4]	38	1.496	175[5]	38	1.49	120	4.724	52.2	2.05	86.6	3.41	97.2	3.82	114.2	4.49	55.7	2.19	181	7.12	66.6	2.62
	2[4]	50	1.969	350[5]	50.8	2	140	5.512	63.8	2.51	138	5.43	105.4	4.15	122.4	4.81	69.5	2.73	181	7.12	114	4.48

Dimensions are for reference only and are subject to change without notice.
[4]"Full bore design"
[5]Estimated Cv

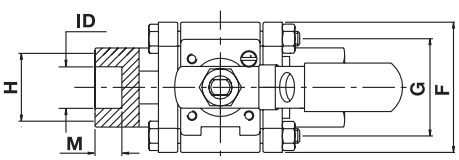


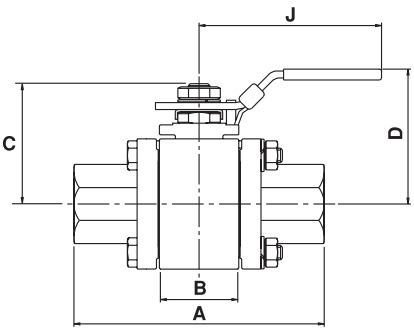


H-510 TUBE SOCKET WELD STANDARD DIMENSIONS

SERIES	End Connection		Orifice		Cv	Ball ID		A		B		F		C		D		OD		J		G		ID		M	
	mm	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
H-510S	6	1/4	4.8	0.19	1.2	4.8	0.19	54.9	2.16	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	19.0	0.75	61.0	2.40	25.5	1.00	4.80	0.19	7.10	0.28
	10	3/8	7.1	0.28	3.7	7.1	0.28	54.9	2.16	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	19.0	0.75	61.0	2.40	25.5	1.00	7.10	0.28	7.90	0.31
H-510	12	1/2	10.3	0.40	7.5	11.0	0.43	70.0	2.76	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	20.5	0.81	121.5	4.78	32.0	1.26	12.85	0.51	12.7	0.50
	20	3/4	14.1	0.56	12.0	14.1	0.56	74.0	2.91	24.6	0.97	50.8	2.00	44.0	1.73	60.0	2.36	27.0	1.06	121.5	4.78	38.2	1.50	19.2	0.76	14.2	0.56
	25	1[4]	22.35	0.88	38.0[5]	22.35	0.88	99.0	3.90	31.8	1.25	60.0	2.36	56.7	2.23	74.5	2.93	34.0	1.34	151.0	5.94	44.0	1.73	25.55	1.08	19.2	0.76
	31.75	1 1/4[4]	31	1.22	110[5]	32	1.26	105	4.13	42.2	1.66	77.2	3.04	77.5	3.05	93.8	3.69	42.2	1.66	156	6.14	57.2	2.25	32	1.26	24.4	0.96
	38	1 1/2[4]	32	1.26	200[5]	32	1.26	103.2	4.06	42.2	1.66	77.2	3.04	78	3.07	94.44	3.71	51.6	2.03	156	6.14	57.2	2.25	38.2	1.50	21	0.83
	50.8	2[4]	47.6	1.87	350[5]	50.8	2	140	5.51	63.8	2.51	138	5.43	105.8	4.16	122.8	4.83	72.5	2.85	181	7.13	120	4.72	50.9	2	27.65	1.09

[4]"Full bore design"
[5]Estimated Cv

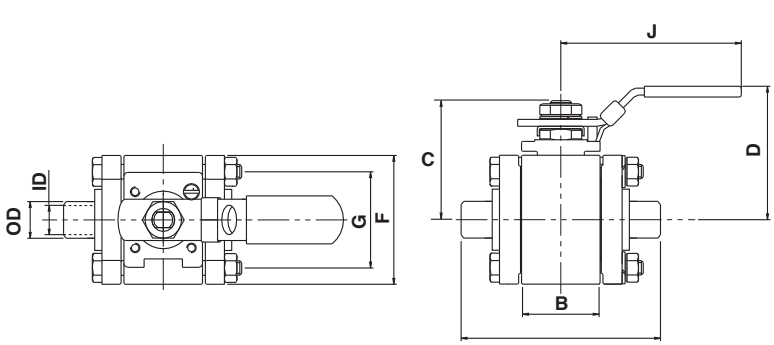




H-510 PIPE SOCKET WELD STANDARD DIMENSIONS

SERIES	End Connection	Orifice		Cv	Ball ID		A		B		F		C		D		H		J		G		ID		M	
	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
H-510	1/4	11.0	0.43	10	11.0	0.43	70.0	2.76	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	27.0	1.06	121.5	4.78	32.0	1.26	14.1	0.56	9.70	0.38
	3/8	11.0	0.43	10	11.0	0.43	70.0	2.76	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	27.0	1.06	121.5	4.78	32.0	1.26	17.5	0.69	11.0	0.43
	1/2	11.0	0.43	10	11.0	0.43	70.0	2.76	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	27.0	1.06	121.5	4.78	32.0	1.26	22.2	0.87	9.50	0.37
	3/4	14.1	0.56	12.0	14.1	0.56	74.0	2.91	24.6	0.97	50.8	2.00	44.0	1.73	60.0	2.36	33.0	1.30	121.5	4.78	38.2	1.50	27.4	1.08	14.3	0.56
	1[4]	20.0	0.79	36.0[5]	20.0	0.79	99.0	3.90	31.8	1.25	60.0	2.36	56.7	2.23	74.5	2.93	42.0	1.65	151	5.94	44.0	1.73	34.2	1.35	15.9	0.63
	1 1/4[4]	31	1.22	95[5]	32	1.26	109.5	4.31	42.2	1.66	77.2	3.04	78	3.07	94.44	3.72	50.5	1.99	155.87	6.14	57.2	2.25	49	1.93	22	0.87
	1 1/2[4]	38	1.50	175[5]	38	1.50	120	4.72	52.2	2.06	86.6	3.41	97.2	3.83	114	4.49	55.7	2.19	181	7.13	66.6	2.62	49	1.93	22.8	0.90
	2[4]	50	1.97	350[5]	50.8	2	140	5.51	64	2.52	138	5.43	106	4.17	122.8	4.83	69.5	2.74	181	7.13	114	4.49	61.5	2.42	24.8	0.98

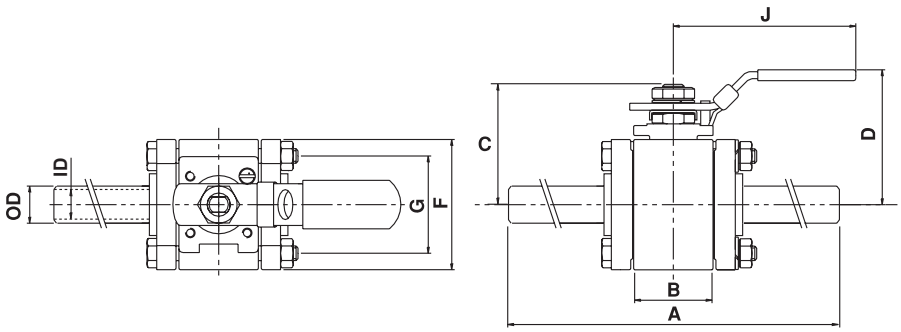
Dimensions are for reference only and are subject to change without notice.
[4]"Full bore design"
[5]Estimated Cv



H-580 PIPE BUTTWELD STANDARD DIMENSIONS

SERIES	End Connection	Orifice		Cv	Ball ID		A		B		F		C		D		OD		ID		J		G	
	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
H-580S	1/4	7.1	0.28	3.7	7.1	0.28	52.8	2.08	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	13.7	0.54	9.20	0.36	61.0	2.40	25.5	1.00
	3/8	7.1	0.28	3.7	7.1	0.28	52.8	2.08	15.1	0.59	38.5	1.52	33.2	1.31	48.0	1.89	17.1	0.67	10.7	0.42	61.0	2.40	25.5	1.00
H-580	1/2	11	0.43	10	11.0	0.43	71.6	2.82	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	21.3	0.84	15.8	0.62	121.5	4.78	32.0	1.26
	3/4	14.1	0.56	12	14.1	0.56	72.0	2.83	24.6	0.97	50.8	2.00	44.0	1.73	60.0	2.36	27.1	1.07	21.0	0.83	121.5	4.78	38.2	1.50
	1[4]	20	0.79	36[5]	20.0	0.79	97.0	3.82	31.8	1.25	60.0	2.36	56.7	2.23	74.5	2.93	33.4	1.32	26.6	1.05	151	5.94	44.0	1.73
	1 1/2[4]	38	1.50	175[5]	38	1.50	125	4.92	52.2	2.06	86.6	3.41	88.2	3.47	114	4.49	48.3	1.90	40.8	1.61	181	7.13	66.6	2.62
	2[4]	49.8	1.96	350[5]	49.8	1.96	150	5.91	63.8	2.51	138	5.43	105.4	4.15	122	4.80	60.5	2.38	52.5	2.07	181	7.13	114	4.49

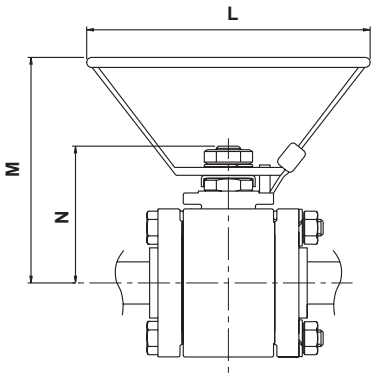
[4]"Full bore design"
[5]Estimated Cv



H-580 EXTENDED AND SHORT TUBE BUTTWELD STANDARD DIMENSIONS

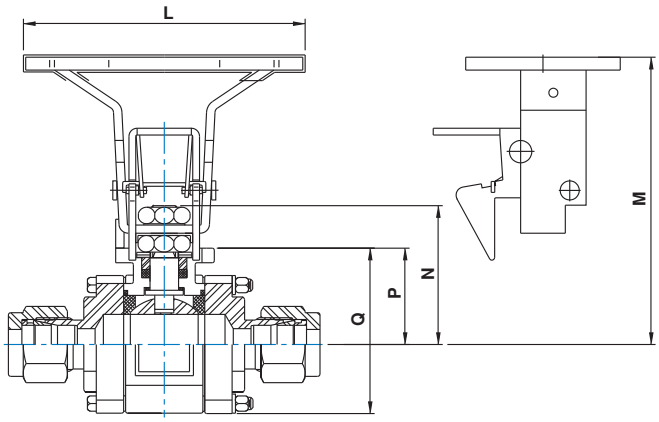
SERIES	End Connection		Orifice		Cv	Ball ID		A extended		A short		B		F		C		D		OD		J		G		ID	
	mm	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
H-580	6	1/4	4.4	0.17	1	9.4	0.37	-	-	71.5	2.81	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	6.4	0.25	121.5	4.78	32.0	1.26	4.40	0.17
	10	3/8	7.7	0.3	3.8	9.4	0.37	-	-	71.5	2.81	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	9.57	0.38	121.5	4.78	32.0	1.26	7.70	0.30
	12	1/2	9.4	0.37	7	9.4	0.37	140	5.5	64.6	2.54	20.6	0.81	44.4	1.75	40.5	1.59	56.5	2.22	12.7	0.5	121.5	4.78	32.0	1.26	9.40	0.37
	20	3/4	15.75	0.62	18	15.8	0.87	150	5.9	-	-	24.6	0.97	50.8	2.00	44.0	1.73	60.0	2.36	19.05	0.75	121.5	4.78	38.2	1.50	15.75	0.62
	25	1[4]	20.0	0.79	38[5]	22.35	0.88	161.2	6.35	-	-	31.8	1.25	60.0	2.36	56.7	2.23	74.5	2.93	25.4	1	151	5.94	44.0	1.73	21.4	0.84
	38	1 1/2[4]	34.8	1.37	175[5]	34.8	1.37	200.8	7.91	-	-	52.2	2.06	86.6	3.41	97.2	3.83	114	4.49	38.1	1.5	181	7.13	66.6	2.62	34.8	1.37
	50.8	2[4]	47.5	1.87	350[5]	47.5	1.87	215.2	8.47	-	-	63.8	2.51	138	5.43	105.4	4.15	122	4.80	50.8	2	181	7.13	114	4.49	47.5	1.87

Dimensions are for reference only and are subject to change without notice.
[4]"Full bore design"
[5]Estimated Cv



H-500 OVAL HANDLE

End Connection	N		L		M	
	mm	inch	mm	inch	mm	inch
1/4", 3/8", 1/2" 6mm, 10mm, 12mm	40.5	1.6	105.0	4.13	66.0	2.60
3/4" 20mm	44.0	1.73	105.0	4.13	70.0	2.75
1" 25mm	56.7	2.23	105.0	4.13	88.7	3.49



H-500 GRIP HANDLE (OVAL)

End Connection	L		M		N		P		Q	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
1/4", 3/8", 1/2" 6mm, 10mm, 12mm	104	4.09	94.5	3.72	40.5	1.59	27.5	1.08	49.5	1.95
3/4" 20mm	104	4.09	98.0	3.86	44.0	1.73	30.5	1.20	56.0	2.20

Dimensions are for reference only and are subject to change without notice.

H-500 - PNEUMATIC ACTUATED VALVES

FEATURES

- 90° actuation for two-way valves
- Actuators comply with industry standards for interface with ISO 5211, NAMUR and VDI/VDE 3845
- Actuated valves are available factory assembled or seperately
- Actuator and mounting kits
- Limit switches, proximity sensors, position indicators, solenoid valves and other accessories are available upon request
- Standard temperature range: -32°C to 90°C (-25.6°F to 194°F)
  Optional: high temperature, low temperature

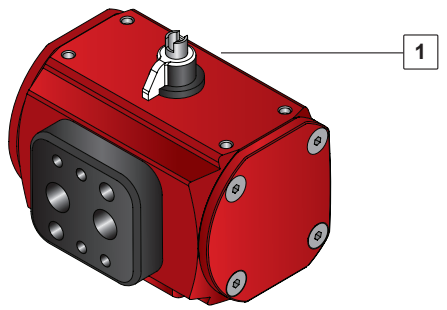
GENERAL

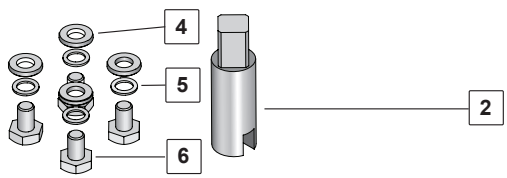
Four standard actuator sizes are available upon request:
Mini (designator “A1”), Small (designator “A2”), Medium (designator “A3”), and Large (designator “A4”).
Improved operational speed enables better valve opening and closing control.
ATEX certification of valves-actuators’ assemblies are available upon request at the time of order.

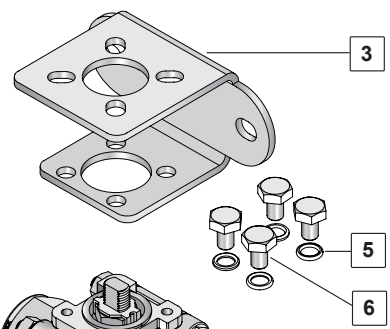
MATERIALS OF CONSTRUCTION

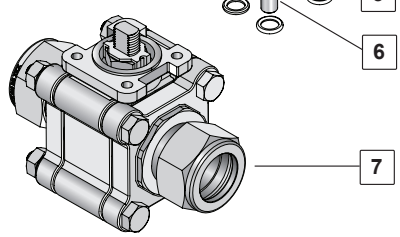
No.	Part	Qty	Material
1	Actuator	1	AL 356-T5
2	Coupling	1	SST 316
3	Bracket	1	SST 304
4	Washer flat	4	SST 304
5	Washer spring	8	SST 304
6	Screw	8	SST 304
7	H500	1	SST 316

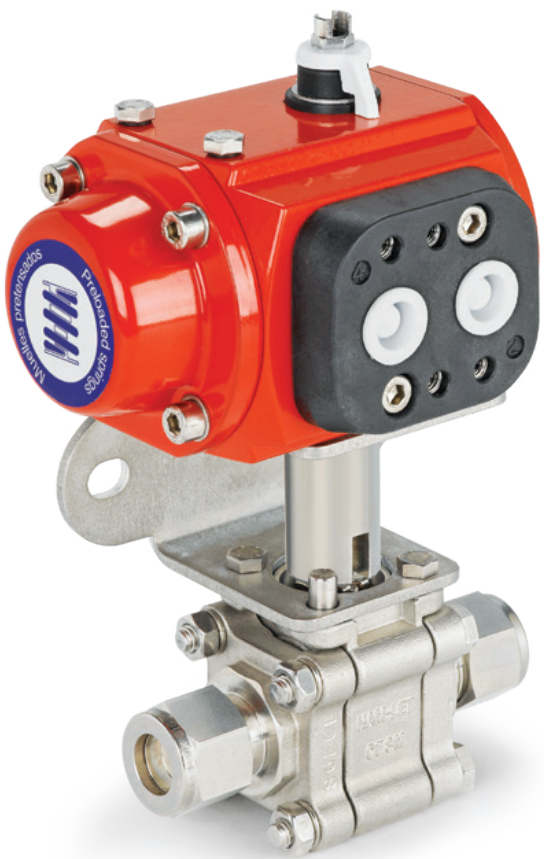
Note: In cases where the valve will be cycled less frequently than once per day or more frequently than once per hour, please contact your UCT representative.





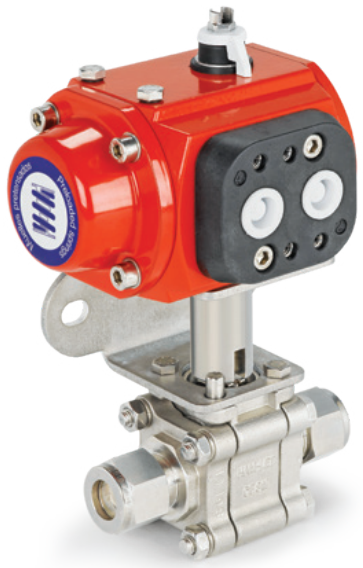






HAM-LET PNEUMATIC ACTUATORS

ACTUATED H-500 SERIES



The selection of valve-actuator assemblies provided herein is based on:

- Valve maximum allowable working pressure
- Ambient temperature (50 to 100°F / 10 to 37°C)
- Actuator fits to valve based on operating pressure of six bar, in accordance with table A.

To order H-500 ball valve factory assembled with an actuator, the actuator designator shall be added to the valve part number/description per the below table.

Example:
H-500-SS-L-3/4-T with standard Double Acting Aluminum Actuator
H-500-SS-L-3/4-T-A2

To order an actuator and mounting kit for field assembly:
Double Acting Actuator ordering number: **Z-A2**
Corresponding mounting kit: **Z-500-MK-3/4 -F03-F04-A2**

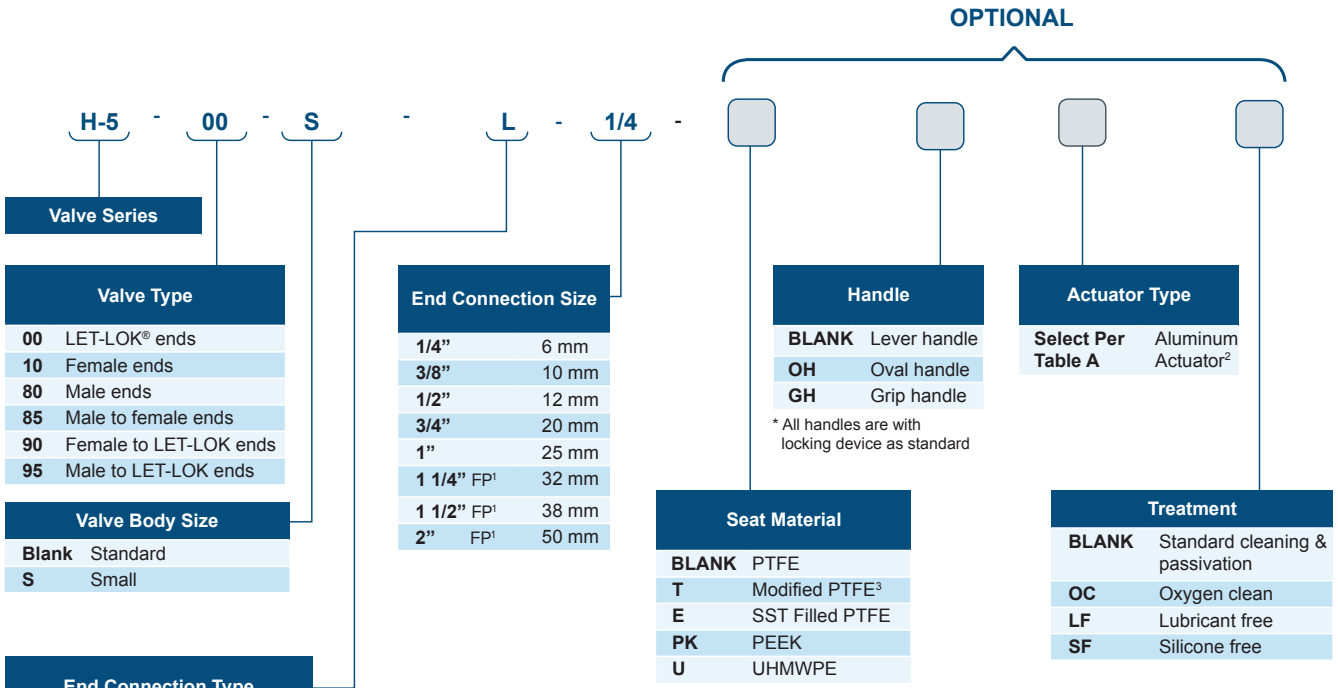
Lubricant-Free Valves:
For Spring Return Actuator-select one size bigger then offered in the table below.
Example: If the offered actuator in the table is A2C, select A3C
For Double Acting Actuator - please contact your local representative

TABLE A: ORDERING INFORMATION FOR ACTUATED VALVES

Series	Ends Size	Seats	Minimum Actuator Operating Pressure Bar (Psi)	Actuator Designators (Factory Assembled)			Actuator Ordering Code		Mounting Kit Ordering Info
				Spring Return		Double Acting	Spring Return	Double Acting	
				NO	NC				
H-500S	**1/4", 3/8" (6 mm, 10 mm)**	Modified PTFE	5 (72.5)	A1O	A1C	A1	Z-A1S	Z-A1	Z-500-MK-1/4"-F03-F04-A1
H-500	**1/4"-1/2" (6 mm-12 mm)**	PTFE Modified PTFE	5 (72.5)	A2O	A2C	A1	Z-A2S	Z-A1	SR: Z-500-MK-1/2"-F03-F04-A2 DA: Z-500-MK-1/2"-F03-F04-A1
		SST PTFE	5 (72.5)	A2O	A2C	A2	Z-A2S	Z-A2	Z-500-MK-1/2"-F03-F04-A2
		PEEK	5 (72.5)	A4O	A4C	A3	Z-A4S	Z-A3	SR: Z-500-MK-1/2"-F05-F07-A4 DA: Z-500-MK-1/2"-F04-F05-A3
	3/4" (20 mm)	PTFE Modified PTFE	5 (72.5)	A2O	A2C	A2	Z-A2S	Z-A2	Z-500-MK-3/4"-F03-F04-A2
		SST PTFE	5 (72.5)	A3O	A3C	A2	Z-A3S	Z-A2	SR: Z-500-MK-3/4"-F04-F05-A3 DA: Z-500-MK-3/4"-F03-F04-A2
		PEEK	5 (72.5)	A4O	A4C	A4	Z-A4S	Z-A4	Z-500-MK-3/4"-F05-F07-A4
	1" (25 mm)	PTFE Modified PTFE SST PTFE	5 (72.5)	A4O	A4C	A3	Z-A4S	Z-A3	SR: Z-500-MK-1"-F05-F07-A4 DA: Z-500-MK-1"-F04-F05-A3
		PEEK	5 (72.5)	A5O	A5C	A4	Z-A5S	Z-A4	SR: Z-500-MK-1"-F05 F07-A5 DA: Z-500-MK-1"-F05-F07-A4
	1-1/2"	PTFE SST PTFE	5 (72.5)	A40	A4C	A3	Z-A4S	Z-A3	Z-MK-500-1-1/2"-FP37-A4

Note: For dimensions of actuators assembled on the H-500 series, please refer to the HPA section.

ORDERING INFORMATION - H-500 SERIES



[1]Full bore for 1-1/4", 1-1/2", 2" as standard with threaded ends only
[2]See notes below
[3]Standard for H-500S

ACTUATED VALVE

- If special cleaning is required, LF/OC will be added in the end and will refer to the valve only. For example:
- H-500-SS-L-3/4-T-A2-OC.
- For ordering information of actuators for high temperature please refer to HAM-LET Pneumatic Actuator Catalog.
- For double mounting actuators, please contact your local representative.
- For actuators accessories (limit switch, solenoid valve), please refer to HAM-LET Pneumatic Actuator Catalog.
- For Stainless Steel Actuator or Electric Actuator please contact your local representative.

ORDERING INFORMATION FOR SEAL KITS

The kit includes gaskets, seats, stem packing and stem seal.

Z - 500 - SK - 1/4 - P

Body Designator Per End Connections	
1/2"	For 1/4", 1/2", 3/8", 6mm, 10mm, 12mm
3/4"	For 3/4", 20mm
1"	For 1", 25mm
1-1/2"	For 1-1/2"
2"	For 2"

Seal Material	
P	PTFE
T	Modified PTFE
E	SST filled PTFE
PK	PEEK
U	UHMWPE

ORDERING INFORMATION FOR HANDLE KITS

Z - 500 - HK - 1/4 - LH

Body Designator per End Connections	
1/2"	For 1/4", 1/2", 3/8", 6mm, 10mm, 12mm
1/2"	For 3/4", 20mm
1"	For 1", 25mm
1-1/2"	For 1-1/2"
2"	For 2"

Handle	
LH	Lever handle
OH	Oval handle
GH	Grip handle

* All handles are with locking device standard

Warning!

The system designer and user have the sole responsibility for selecting products suitable for their special application requirements, ensuring their safe and trouble-free installation, operation, and maintenance. Application details, material compatibility and product ratings should all be considered for each selected product. Improper selection, installation or use of products can cause property damage or personal injury.