



EM-TECHNIK

Specialty Ball Valves

Series 6L



Manual Ball Valve
Pneumatic Actuation
Electric Actuation
Options

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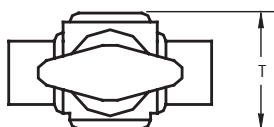
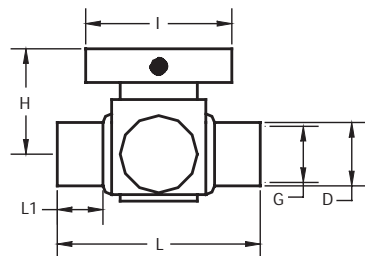


2-Way Manual Ball Valve



Features

- Material PP, PVDF, PFA
- Connection Female G Thread, Female NPT
- Seat PTFE
- Seals FKM, FFKM optional
- Bore 1/4" valve has a 4 mm bore (0.157")
1/2" valve has a 8 mm bore (0.393")



Part Numbers

Series		6L0701.00	6L0801.00
Size	Material	Part No. FNPT	Part No. G Thread *
1/4"	PFA	841101540	841101070
1/2"	PFA	841101550	841101080
1/4"	PVDF	841101500	841101030
1/2"	PVDF	841101510	841101040
1/4"	PP (gray)	841101520	841101050
1/2"	PP (gray)	841101530	841101060

*Accepts Zero Volume Fitting

Dimensions

G	L	L1	I	H	D	T
1/4"	2.56	0.59	1.57	1.06	0.79	1.18
1/2"	3.93	0.87	2.28	1.54	1.18	1.77

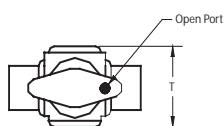
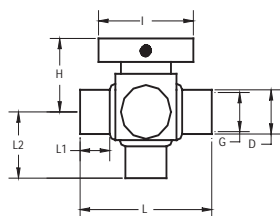
inches

3-Way Vertical Multiport



Features

- Ball Vertical L
- Material PP, PVDF, PFA
- Connection Female G Thread, Female NPT
- Seat PTFE
- Seals FKM, FFKM optional
- Bore 4 mm bore (0.157")



Part Numbers

Series		6L0702.00	6L0802.00
Size	Material	Part No. FNPT	Part No. G Thread *
1/4"	PFA	841101580	841101110
1/4"	PVDF	841101560	841101090
1/4"	PP (gray)	841101570	841101000

*Accepts Zero Volume Fitting

Dimensions

G	L	L1	I	H	D	T	L2
1/4"	2.56	0.59	1.57	1.06	0.79	1.18	1.28

inches



3-Way Ball Valve L Ball



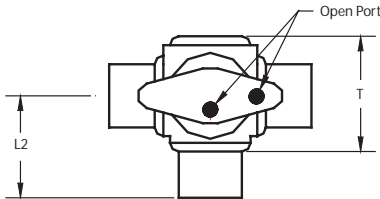
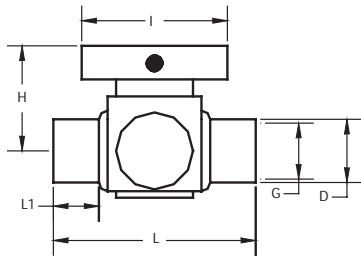
Features

- Ball Angle L
- Material PP, PVDF, PFA
- Connection Female G Thread, Femal NPT
- Seat PTFE
- Seals FKM, FFKM optional
- Bore 1/4" valve has a 4 mm bore (0.157")
1/2" valve has a 8 mm bore (0.393")

Part Numbers

Series		6L0732.00	6L0832.00
Size	Material	Part No. FNPT	Part No. G Thread *
1/4"	PFA	841101630	841101160
1/2"	PFA	841101640	841101170
1/4"	PVDF	841101590	841101120
1/2"	PVDF	841101600	841101130
1/4"	PP (gray)	841101610	841101140
1/2"	PP (gray)	841101620	841101150

*Accepts zero volume fitting



Dimensions

G	L	L1	I	H	D	T	L2
1/4"	2.56	0.59	1.57	1.06	0.79	1.18	1.28
1/2"	3.93	0.87	2.28	1.54	1.18	1.77	1.96

inches

3-Way T Bore Ball Valve



Features

- Ball T Ball Style
- Material PP, PVDF, PFA
- Connection Female G Thread, Female NPT
- Seat PTFE
- Seals FKM, FFKM optional

Part Numbers

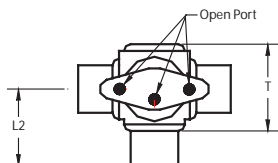
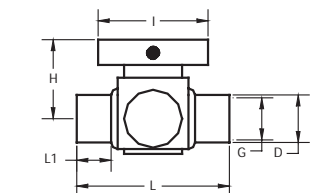
Series		6L0733.00	6L0833.00
Size	Material	Part No. FNPT	Part No. G Thread *
1/4"	PFA	841101690	841101220
1/2"	PFA	841101700	841101230
1/4"	PVDF	841101650	841101180
1/2"	PVDF	841101660	841101190
1/4"	PP (gray)	841101670	841101200
1/2"	PP (gray)	841101680	841101210

*Accepts zero volume fitting

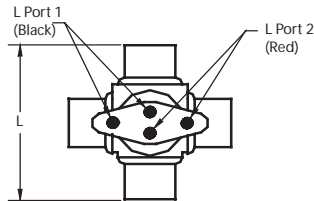
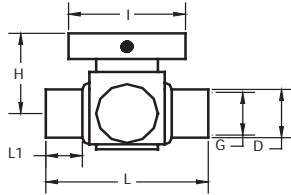
Dimensions

G	L	L1	I	H	D	T	L2
1/4"	2.56	0.59	1.57	1.06	0.79	1.18	1.28
1/2"	3.93	0.87	2.28	1.54	1.18	1.77	1.96

inches



**EM Technik
Series 6
Ball Valves
4-Way Ball Valve**



Features

- Ball Double L Ball
- Material PP, PVDF, PFA
- Connection Female G Thread, Female NPT
- Seat PTFE
- Seals FKM, FFKM optional

Part Numbers

Series		6L0744.00	6L0844.00
Size	Material	Part No. FNPT	Part No. G Thread *
1/4"	PFA	841101280	841101750
1/2"	PFA	841101290	841101760
1/4"	PVDF	841101240	841101710
1/2"	PVDF	841101250	841101720
1/4"	PP (gray)	841101260	841101730
1/2"	PP (gray)	841101270	841101740

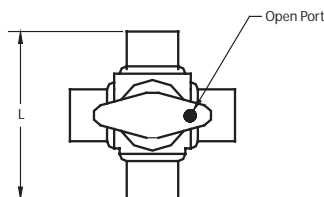
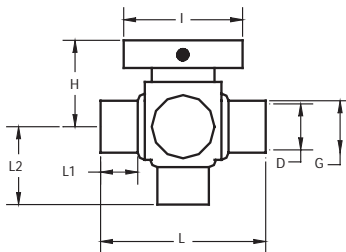
*Accepts zero volume fitting

Dimensions

G	L	L1	I	H	D
1/4"	2.56	0.59	1.57	1.06	0.79
1/2"	3.93	0.87	2.28	1.54	1.18

inches

5-Way Ball Valve



Features

- Ball Angle L
- Material PP, PVDF, PFA
- Connection Female G Thread, Female NPT
- Seat PTFE
- Seals FKM, FFKM optional

Part Numbers

Series		6L0750.00	6L0850.00
Size	Material	Part No. FNPT	Part No. G Thread*
1/4"	PFA	841101320	841101790
1/4"	PVDF	841101300	841101770
1/4"	PP (gray)	841101310	841101780

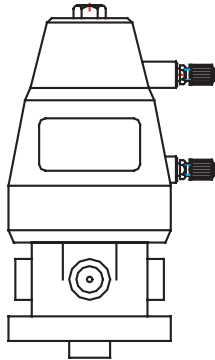
*Accepts zero volume fitting

Dimensions

G	L	L1	I	H	D	L2
1/4"	2.56	0.59	1.57	1.06	0.79	1.28

inches

**Pneumatic 1/4 Turn Actuators
Series 6 D**

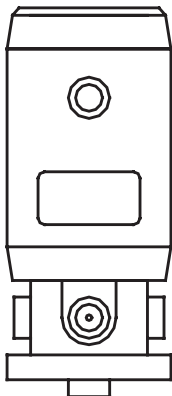


Features

Body	Glass-filled Polypropylene	
Dimension	A to S	72mm x 101mm 2.83" x 3.98"
	A to A	96mm x 165.5mm 3.78" x 6.52"
	Plus valve	
Actuator Weight	A to S	0.5 Kg 1.1 lb
	A to A	0.8 Kg 1.76 lb
Motor	Piston activated	
Torque	A to S	at 3 bar: 5 Nm at 45 psi: 3.7 ft-lb
	A to A	at 3 bar: 20 Nm at 45 psi: 14.7 ft-lb
Switch timing	1 to 2 seconds	
Position indicator	Optical or electrical Position indication	
Temperature rating	-20 to 80 C	
Adapter	1/4" G thread	

Available with all Series 6 Valves. Consult Factory for Part Numbers

**Electric 1/4 Turn Actuator
Series 6G**



Features

Body	Polypropylene	
Dimension	Size 1	90mm x 150mm 3.54" x 5.90"
	Size 2	110mm x 170mm 4.33" x 6.70"
	Plus Valve	
Actuator Weight	Size 1	0.85 Kg 1.87 lb
	Size 2	0.90 Kg 2.0 lb
	Plus Valve	
Motor	DC motor 12 VDC or 24 VDC	
Torque	Size 1	7.7 Nm 5.68 ft-lb
	Size 2	15.4 Nm 11.3 ft-lb
Switch timing	< 1 second	
Position indicator	Inductive Proximity switch	
Rated current	Static: 4-20mA Full load: 250 mA	
Ambient temperature	-25 to 70 C	
Adapter	6,8 or 12 pin female plug with male thread	

Available with all Series 6 Valves. Consult Factory for Part Numbers

EM Technik

Series 6

Ball Valves



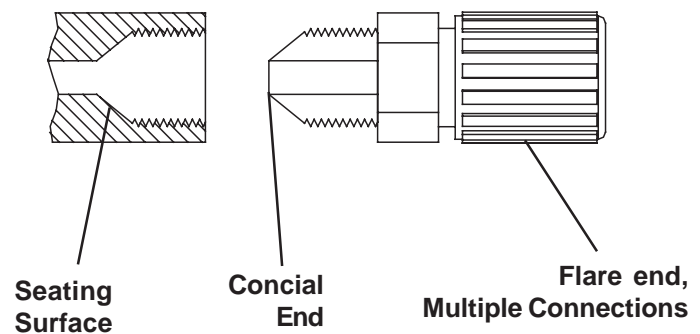
Material	PP	PVDF	PFA
Nominal	PN 10	PN 10	PN 10
Pressure rating	150 psi	150 psi	150 psi
20 C	100%	100%	100%
30 C	80%	80%	90%
40 C	70%	70%	85%
50 C	60%	60%	80%
60 C	50%	50%	70%
70 C	40%	45%	60%
80 C	30%	40%	50%
90 C	25%	35%	45%
100 C	20%	35%	40%
110 C		30%	35%
120 C		25%	30%
130 C		25%	30%
140 C		25%	25%
150 C			20%
160 C			15%
170 C			10%
180 C			10%
190 C			10%
200 C			10%

Multiply the % rating by the nominal rating

Zero Volume Fitting - ZVF

A Zero Volume Fitting is for use in certain valves as an end connector. Each fitting has a male conical end that seals against a mating female surface. The end connector seals in the conical region without, PTFE tape or O-ring.

A Zero Volume Connection provides the convenience of a thread, but the thread is a non wetted part. The seal is very similar to a flare connection.



Zero Volume by Flare*

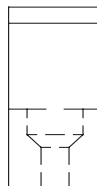
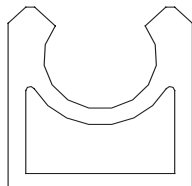
Size ZVF x Flare	Material		
	PFA	PVDF	PPN
1/4" x 1/4"	841101330	841101410	841101370
1/4" x 3/8"	841101340	841101420	841101380
1/2" x 1/2"	841101350	841101430	841101390
1/2" x 3/4"	841101360	841101440	841101400

Works with G thread valves only

*Consult factory for compression fittings or alternative styles such as tee or 90 elbow.

Mounting Clips

Polyethylene material



Size Valve	# of clips	Series No.	Asahi Part No.
1/4	2	GL0034.01	841101450
1/4	3	GL0034.02	841101460
1/2	2	GL0034.03	841101470
1/2	3	GL0034.04	841101480

Recommended: one per port

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Liability of the Seller under or in connection with this sale and/or the foregoing warranty shall be limited, at the sole option of the Seller, to one repair of, replacement of, or a refund of the purchase price of any products or part thereof (a), with respect to which Seller receives, promptly after Buyer’s discovery of any alleged defect and prior to the expiration of the one-year warranty period as provided above, notice from Buyer or Buyer’s claim defect and (b) which shall be returned to Seller by Buyer, as provided herein, promptly after Buyer’s discovery of such alleged defect and which shall be determined by the Seller to have proven defective within the one-year warranty period provided above; failure by Buyer to notify Seller and return such products to Seller after Buyer’s discovery of such alleged defect shall constitute a waiver by Buyer of any and all claims of any kind with respect thereto. Any products returned by Buyer to Seller under the foregoing terms shall be returned to Seller’s place of business freight prepaid, accompanied or preceded by Buyer’s particularized statement of the claimed defect. The risk of loss and freight charges to and from Seller in connection with any returned products shall be borne by Buyer; but Seller shall bear such additional freight charges arising in connection with any such returned products ultimately determined by Seller to be defective under the terms of the foregoing warranty, the cost of repair or replacement (if any) of such products, and the risk of loss or damage which such products are in Seller’s possession at its place of business. The foregoing remedy shall constitute the sole and exclusive remedy of the Buyer under or in connection with this sale and/or warranty of the Seller. Except as specifically provided herein, Seller shall not be responsible or liable for any costs, expenses or damages of Buyer in connection with any removal, repair or replacement (including any attempts or actions relating thereto) of any allegedly defective products, and no charge of setoff of any kind of Buyer relating thereto shall be made against the Seller without prior and specific written approval of Seller.

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