

AUTOMATIC TANK FILL VALVES

HEAVY DUTY PILOT OPERATED VALVES

OVERVIEW

The All Purpose WaterMark™ approved Automatic Tank Fill Valves comprise of heavy duty cast construction with direct acting diaphragm configuration eliminating the need for shafts, seals or bearings with the water passage. The direct controllable opening and closing speed totally eliminates the hydraulic shock and water hammer associated with direct acting conventional valves.

APPLICATION

Automatic Tank Fill Valves are used to maintain a consistent water level in storage tanks by regulating inflow based on demand. They open when the water level drops below a set point and close once the tank is full, preventing overfilling and ensuring reliable supply for systems such as fire protection, irrigation, and industrial processes. This helps maintain system readiness, reduces manual intervention, and protects equipment from damage caused by low water levels or overflow.

FEATURES

- Superb hydraulic performance
- Reliable control over a range of mediums
- Cost efficient control and regulation
- Minimal Maintenance - maximal dependability
- Polyester coated cast iron or bronze construction
- Significantly reduced water hammer
- High flow - minimal pressure loss



SPECIFICATIONS	
PRESSURE RATING	16 bar
DIAPHRAGM MATERIAL	Natural rubber
BODY/BONNET	Cast iron (polyester coated)
APPLICATIONS	Fire tank filling
	Potable water tanks
	Break tanks
SIZES	100
	150

Part No.	Model No.	Size	Connection	Construction	Availability
5906325	Valve-AV53-100mm Tank Fill-Flange-With Float	100	Table E flange	Cast iron	Special order
5906326	Valve-AV53-150mm Tank Fill-Flange-With Float	150	Table E flange	Cast iron	Special order
5905835	Valve-AV53-100mm Tank Fill-RG-With Float	100	Rollgrooved	Cast iron	Stocked
5905880	Valve-AV53-150mm Tank Fill-RG-With Float	150	Rollgrooved	Cast iron	Special order

NOTE: Cast iron wetted components are polyester coated.

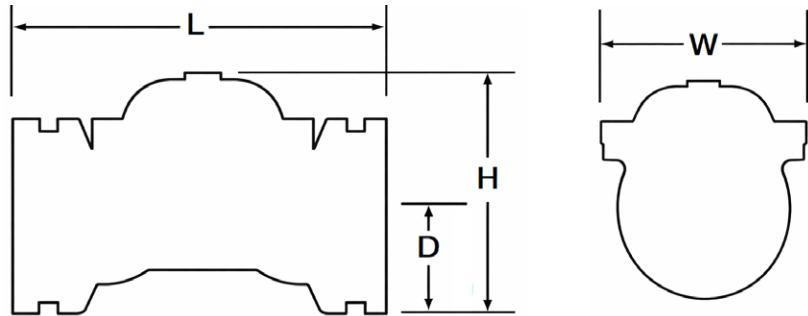


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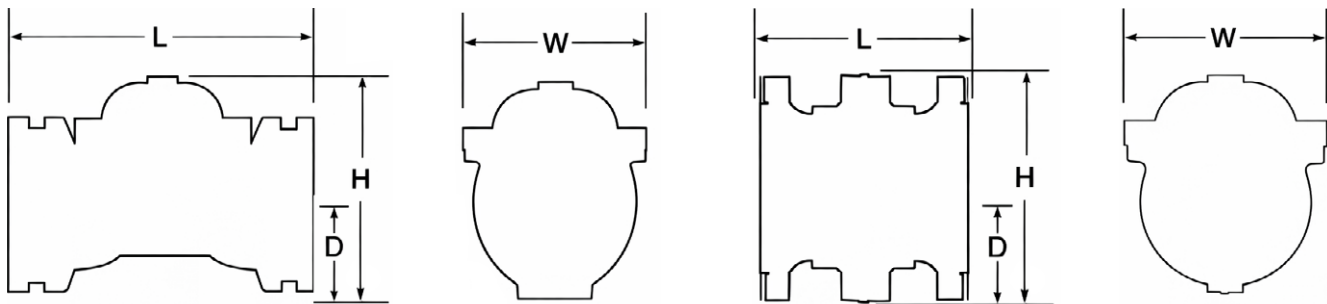
DIMENSIONS AND WEIGHTS

STRAIGHT FLOW, GROOVED CONNECTION (Vic.)



Valve Size		L		H		D		W		Weight	
mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	kg	lbs
100	4	317	12.48	133	5.24	60	2.36	194	7.64	12	26.4
150	6	392	15.43	250	9.84	82	3.23	300	11.81	31	68.3

STRAIGHT FLOW, FLANGED CONNECTION - STANDARD MODELS 16 BAR/250 Psi



Valve Size		L		H		D		W		Weight					
										Cast Iron		Duct Iron		Bronze	
mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	kg	lbs	kg	lbs	kg	lbs
100	4	305	12.01	230	9.06	110	4.33	230	9.06	22	48.5	24	53	24	53
150	6	390	15.35	314	12.36	145	5.71	300	11.8	46	101	49	108	51	112



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DIMENSIONS AND WEIGHTS (CONTINUED)

HYDRAULIC PERFORMANCE

Value Size	mm	100	150
	inch	4	6
Max. Flow Continuance	m³/hr	160	350
	gpm	700	1540
Max. Flow Intermittent	m³/hr	273	955
	gpm	1200	4200
Minimal Flow	m³/hr		
	gpm		

TANK FILL VALVE OPERATIONAL DIAGRAM

