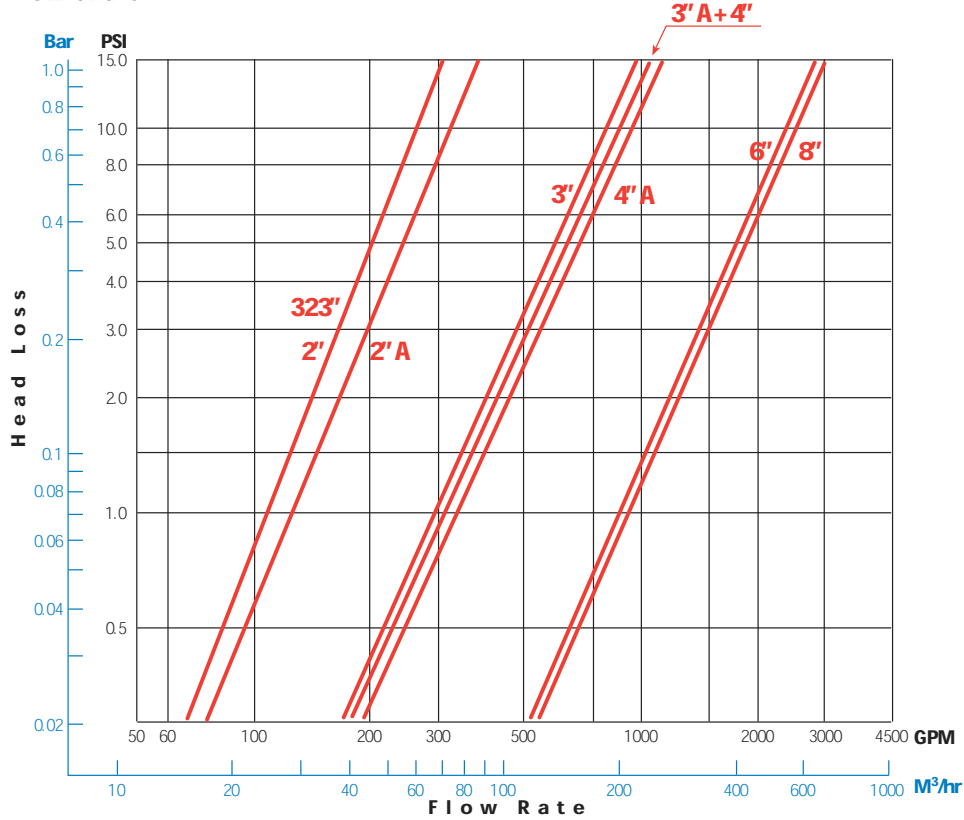


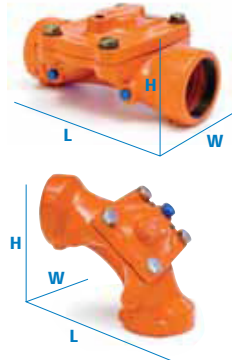
Technical Specification

Flow Chart



Valve Dimensions

Straight	Size		Material	Connections	Length (L)		Height (H)		Width (W)		Weight	
	Inch	mm			Inch	mm	Inch	mm	Inch	mm	Lbs.	kg
	2'	50	Bronze	Threaded								
	2'	50	Cast Iron	Threaded	7.09	180	3.35	85	4.96	126	6.4	2.9
	323'	80-50-80	Cast Iron	Threaded	9.88	251	4.37	111	4.96	126	10.8	4.9
	3'	80	Cast Iron	Threaded	12.44	316	5.87	149	8.31	211	29.8	13.5
	3'	80	Cast Iron	Grooved	12.44	316	5.87	149	8.31	211	29.8	13.5
	3'	80	Cast Iron	Flanged	10.00	254	7.87	200	8.31	211	38.8	17.45
	4'	100	Cast Iron	Grooved	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	4'	100	Cast Iron	Flanged	12.01	305	8.70	221	8.70	211	47.8	21.7
	6'	150	Ductile Iron	Flanged	15.98	406	11.38	289	11.80	300	84.9	38.5
	8'	200	Ductile Iron	Flanged	20.5	521	13.5	343	13.5	343	114.7	52.0
Angle	2'	50	Cast Iron	Threaded	6.34	161	6.34	161	4.96	126	7.1	3.2
	323'	80-50-80	Cast Iron	Threaded	8.11	206	8.11	206	4.96	126	12.8	5.65
	3'	80	Cast Iron	Threaded	9.646	245	9.65	245	8.31	211	29.8	13.5
	3'	80	Cast Iron	Flanged	10.39	264	10.39	264	8.31	211	38.5	17.45
	4'	100	Cast Iron	Flanged	11.73	298	11.73	298	8.701	211	47.8	21.7



Recommended Working Conditions

Nominal Diameter	Inch	mm	Inlet Pressure, PSI & Bar		Flow Rate, GPM & (m³/h)		Fully Opened Valve					
			Minimum	Maximum	Minimum	Maximum	* Cv Factor	* Kv Factor				
	2'	50	6	0.4	228	16	2.2	0.5	175	40	120	102
	323'	80-50-80	6	0.4	228	16	2.2	0.5	240	55	125	102
	3'	80	6	0.4	228	16	2.2	0.5	460	105	307	260
	4'	100	6	0.4	228	16	2.2	0.5	720	165	312	270
	6'	150	6	0.4	228	16	2.2	0.5	1630	370	862	740
	8'	200	6	0.4	228	16	2.2	0.5	1938	440	885	760

$Cv = Q / \sqrt{\Delta P}$ Where Q=Flow Rate (GPM), ΔP =Head loss across the valve (PSI)
 $Kv = Q / \sqrt{\Delta P}$ Where Q=Flow Rate (M³/h), ΔP =Head loss across the valve (BAR)

Valve Specifications

Body	Cast Iron ASTM A 45 Cl S25 A
	Cast Bronze BS 1400 LG
	Ductile Iron ASTM A-536
Bonnet	Same as above
Diaphragm	Natural Rubber
Spring	Stainless Steel
Seat	Acetal
Bolts	Steel Cobalt Coated