



SPECIFICATIONS:

Operating Pressure: 200 PSI
Pressure Accuracy: +/- 5%
Housing Material: ASA Cast Iron
 ASTM A-48
Diaphragm & Disc Material: Buna N
Cover Material: Bronze
Float Rod: 12" Long
End Connections: NPT (BSP
 Optional)
Assembly: Valve comes fully
 assembled

DESCRIPTION:

- Slow Closing
- Float Pilot May be Mounted Remote from Main Valve
- Mechanically Self-Cleaning Internal Control System
- "No Surge or Hammer" Operation
- Operates on Extremely Low Flows
- Will Throttle Against Flow Without Chatter
- Diaphragm-Disc Assembly Guided by Stainless Steel Stem in all Positions
- Completely Serviceable Without Removing Valve Body from the System
- Manual Flow Rate Adjustment Stem Can Be Used to Flush Internal Mechanism

DIMENSIONS & WEIGHTS (NOMINAL)

SIZE	MODEL NO.	A LENGTH	C	D	E WIDTH
1"	4190H	4.5	4.1	1.8	4.5
1-1/4"	4190J	4.5	4.1	1.8	4.5
1-1/2"	4190K	7.0	6.0	2.4	5.5
2"	4190L	7.0	6.0	2.4	6.5
2-1/2"	4190M	7.8	6.3	4.3	6.5
3"	4190N	8.3	6.5	4.5	6.5

PRESSURE LOSS (PSI) AT VARIOUS FLOWRATES

SIZE	FLOW PATTERN	FLOWRATE (GPM)																																								
		10	15	20	25	30	35	40	45	50	55	60	65	70	80	90	100	120	140	160	180	200	225	250	275	300	325	350	375	400												
1	STRAIGHT	.55	1.24	2.2	3.4	5.0	6.7	8.8	11.1	13.7	16.6	19.7																														
	ANGLE	.43	.96	1.7	2.7	3.9	5.2	6.8	8.7	10.7	12.9	15.4																														
1-1/4"	STRAIGHT	.36	.82	1.5	2.3	3.3	4.5	5.8	7.4	9.1	11.0	13.1	15.3	17.8																												
	ANGLE	.32	.71	1.3	2.0	2.8	3.9	5.1	6.4	7.9	9.6	11.4	13.3	15.5																												
1-1/2"	STRAIGHT	.59	.93	1.3	1.8	2.4	3.0	3.7	4.5	5.0	5.4	7.3	9.5	12.0	14.8																											
	ANGLE	.48	.74	1.1	1.5	1.9	2.4	3.0	3.6	4.3	5.9	6.3	7.6	9.7	11.9																											
2"	STRAIGHT													1.6	1.8	2.4	3.0	3.7	5.3	7.3	9.5	12.0	14.8																			
	ANGLE													1.3	1.5	2.0	2.5	3.1	4.5	6.1	7.9	10.0	12.3																			
2-1/2"	STRAIGHT													1.0	1.2	1.5	1.9	2.4	3.4	4.6	6.1	7.7	9.5	12.0	14.8	17.9	21.3															
	ANGLE													.8	.9	1.2	1.6	1.9	2.8	3.8	4.9	6.3	7.7	9.8	12.0	14.6	17.4															
3"	STRAIGHT													.6	.7	.9	1.2	1.5	2.1	2.8	3.7	4.7	5.8	7.3	9.1	11.0	13.1	15.3	17.8	20.4	23.2											
	ANGLE													.5	.6	.8	1.0	1.2	1.7	2.3	3.0	3.8	4.7	6.0	7.4	8.9	10.6	12.5	14.5	16.6	18.9											

