



SPECIFICATIONS:

Operating Pressure: 200 PSI
 Housing Material: ASA Cast Iron ASTM A-48
 Diaphragm & Disc Material: Buna N
 Cover Material: Bronze
 End Connections: NPT (BSP Optional)
 Voltage Operating Range: 24V, 110V
 Assembly: Valve comes fully assembled

ACCESSORY OPTIONS:

Solenoid: Explosion Proof Solenoid available on N.C. Valve

DESCRIPTION:

- UL, CSA and FM approved Solenoid Control Pilot with water tight coil assembly
- Corrosion Proof Stainless Steel Molded in Solid Epoxy Resin Solenoid
- Slow Closing
- 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"	4160H	4.5	4.1	1.8	7.0
1-1/4"	4160J	4.5	4.1	1.8	7.0
1-1/2"	4160K	7.0	6.0	2.4	9.1
2"	4160L	7.0	6.0	2.4	9.1
2-1/2"	4160M	7.8	6.3	4.3	9.1
3"	4160N	8.3	6.5	4.5	9.2

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	

Replaces form F-4081A

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12/05
 F-4081B



MODEL NUMBER SELECTION

	4	1	6	0			
Select a Size (1"=H, 1-1/4"=J, 1-1/2"=K, 2"=L, 2-1/2"=M, 3"=N)							
Insert "T" for Normally Open (Leave blank for Normally Closed)							
Select a Solenoid (24V=W, 110V=Y, Explosion Proof=V ¹)							

NOTES

¹ Explosion Proof is available only on Normally Closed Valves.
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