

## SOLENOID VALVES

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## FLOW DETAIL AND COIL SPECS

### Cv FACTORS FOR GOULD SOLENOID VALVES

SLIDE RULES AVAILABLE TO CALCULATE FLOW OR PRESSURE DROP, CONSULT FACTORY.

<b>TYPE A SERIES:</b> (Pipe Size)	1/4" = 1.2
	3/8" = 2.0
<b>TYPE B SERIES:</b> (Pipe Size)	1/4" = 1.9
	3/8" = 2.8
	1/2" = 3.3
<b>TYPE B3 SERIES:</b> 1/4" or 3/8" NPT (Orifice Size)	3/16" = 0.70
<b>TYPE D SERIES:</b> (Pipe Size)	3/4" = 6.3
	1" = 11.5
	1-1/4" = 18.0
	1-1/2" = 28.0
	2" = 50.0
<b>TYPES F &amp; G:</b> 1/8" - 3/8" (Orifice Size)	1/4" = 1.2
	7/32" = 1.0
	3/16" = 0.70
	5/32" = 0.50
	1/8" = 0.30
	3/32" = 0.18
	1/16" = 0.08
3/64" = 0.03	

<b>TYPE K SERIES:</b> (Pipe Size)	1/8" = 1.1
	1/4" = 2.1
	3/8" = 3.2
	1/2" = 3.9
	3/4" = 7.5
	1" = 9.9
	1-1/4" = 23.0
	1-1/2" = 25.0
	2" = 45.0
<b>Type M SERIES:</b> (Pipe Size)	1/8" = 1.3
	1/4" = 2.1
	3/8" = 2.3
	1/2" = 3.9
	3/4" = 5.1
	1" = 11.6
	1-1/4" = 12.1
	1-1/2" = 26.0
	2" = 48.0

<b>TYPE Q SERIES:</b> (Pipe Size)	1/8" = 1.3
	1/4" = 2.1
	3/8" = 2.3
	1/2" = 3.9
	3/4" = 5.1
	1" = 11.6
	1-1/4" = 12.1
	1-1/2" = 26.0
	2" = 48.0
	2-1/2" = 75.0
3" = 100.0	

### STANDARD PILOT ORIFICE/PRESSURE RATING FOR GOULD SOLENOID VALVES

TYPE M – AIR & WATER					
ORIFICE	1/8"	7/64"	3/32"	5/64"	DRILL
PRESSURE	100	125	200	250	PSI

ALL OTHER TYPES*						
STANDARD COIL			ORIFICE	EXTRA STRONG COIL		
AIR (psi)	WATER (psi)	OIL (psi)		AIR (psi)	WATER (psi)	OIL (psi)
200	100	75	1/8"	400	180	50
300	150	100	7/64"		220	100
500	200	150	3/32"		350	200
	300		5/64"		450	300
	500		1/16"		600	500
			3/64"		1200	1200

NOTE: For Steam Orifice Sizes – Use Air to Maximum of 200 psi.

\*Except Type KX – CONSULT FACTORY

## COIL SPECIFICATIONS FOR GOULD SOLENOID VALVES

(For non-standard voltages or 50hz applications consult factory)

VALVE TYPE	VOLTAGE	COIL #	INSULATION CLASS		INRUSH Current (A)	HOLDING Current (A)	WATTS
			MAX.	FLUID TEMP.			
M	120/240/50/60	96012	N450°F	120/60 240/60	0.75 0.38	0.35 0.18	18 18
B3	120/240//60	75012	F300°F	120/60 240/60	0.72 0.36	0.26 0.13	14 14
M	12/60	H12A	N 450°F				
B3	12/60	75H12	F 300°F		8.40	4.20	18
All Other	12/60	1547	F 300°F		8.40	4.20	18
All Other	12/60	2540	N 450°F		8.40	4.20	20
M	24/60	H24A	N 450°F		3.10	1.54	17
B3	24/60	7507	F 300°F		3.60	1.80	14
B3	24/60	75H7	N 450°F				15
All Other	24/60	L555	F 300°F		4.60	2.30	20
All Other	24/60	1144	N 450°F		1.90	0.95	18
All Other	24/60	1347	N 450°F		5.50	2.60	24
All Other	55/60	L757	F 300°F		1.30	0.64	18
M	120/60	H1A	N 450°F		0.70	0.35	17
B3	120/60	7501	F 300°F		0.72	0.26	14
B3	120/60	75H1	N 450°F		0.72	0.36	15
All Other	120/60	1138	F 300°F		0.64	0.32	14
All Other	120/60	1386	F 300°F		1.00	0.60	18
All Other	120/60	1143	N 450°F		0.84	0.42	20
M	240/60	H2A	N 450°F		0.36	0.18	18
B3	240/60	7502	N 450°F		0.36	0.13	15
B3	240/60	75H2	N 450°F		0.36	0.13	15
All Other	240/60	1139	F 300°F		0.32	0.16	14
All Other	240/60	1223/1224	F 300°F		0.50	0.30	26
All Other	240/60	1142	N 450°F		0.42	0.21	20
M	480/60	H3A	N 450°F		0.22	0.11	19
B3	480/60	7503	F 300°F		0.18	0.07	14
All Other	480/60	1140	F 300°F		0.16	0.08	14
All Other	480/60	1387	F 300°F		0.25	0.15	26
All Other	480/60	1141	N 450°F		0.20	0.10	20
All Other	550/60	1797	F 300°F		0.20	0.10	26
All Other	550/60	1145	N 450°F				
M	6 DC	6HD	N 450°F		-		
B3	6 DC	6750	F 300°F		-	4.00	24
All Other	6 DC	1347	F 300°F		-	4.20	24
M	12 DC	12HD	N 450°F		-	1.80	22
B3	12 DC	75H12	N 450°F		-		
B3	12 DC	12750	F 300°F		-	2.00	24
All Other	12 DC	1314	F 300°F		-	2.00	24
All Other	12 DC	1314H	N 450°F		-	2.00	24
All Other	18 DC	1751	N 450°F		-	1.40	25
M	24 DC	24HD	N 450°F		-	1.00	24
B3	24 DC	24750	F 300°F		-	1.00	24
All Other	24 DC	1315	F 300°F		-	1.00	24
All Other	24 DC	1751	N 450°F		-	1.85	48
All Other	32 DC	1149	F 300°F		-	0.75	24
All Other	32 DC	1751	N 450°F		-	2.40	76
M	48 DC	48HD	N 450°F		-		
B3	48 DC	48750	F 300°F		-	0.50	24
All Other	48 DC	1542	N 450°F		-		
M	115 DC	115HD	N 450°F		-	0.26	30
B3	115 DC	115750	F 300°F		-	0.20	24
All Other	115 DC	1349	F 300°F		-	0.17	24
All Other	115 DC	1695	N 450°F		-	0.25	28
M	230 DC	230HD	N 450°F		-		
B3	230 DC	23750	F 300°F		-	0.10	24
All Other	230 DC	1350	F 300°F		-	0.09	24
All Other	230 DC	1696	N 450°F		-	0.12	28