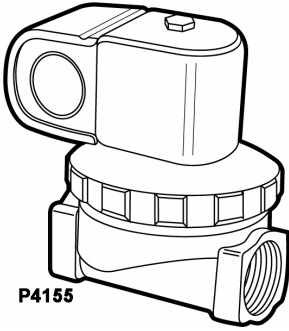


SOLENOID VALVES

PARKER GENERAL PURPOSE SOLENOID VALVES

Two-Way Solenoid Valves — Type I (Normally Closed Only)

Type I Two-Way Normally Closed (AC) Voltages



VALVE MODEL NO	PIPE SIZE	ORIFICE	Cv	OPERATING PRESSURE DIFFERENTIAL				°F MAXIMUM TEMP	COIL TYPE
				Minimum PSI	Maximum (MOPD) PSI Air Inert Gas	Maximum (MOPD) PSI Water	Maximum (MOPD) PSI Light Oil 300		
GP200	1/4	5/16	.98	1	150	150	150	225	G-23
GP300	3/8	1/2	3.00	1	150	150	150	225	G-23
GP400	1/2	1/2	3.60	1	150	150	150	225	G-23
GP600	3/4	3/4	7.40	1	150	150	150	225	G-23
GP10A	1	1	12.20	1	150	150	150	225	G-23

Flow Capacities — Water GPM

MODEL NO.		1 psi	2 psi	5 psi	10 psi	15 psi	25 psi	50 psi
Type I Normally Closed	Type III Normally Closed							
GP200	GP207	.98	1.36	2.16	3.90	3.78	4.90	6.90
GP300	GP307	3.00	4.23	6.70	9.50	11.60	15.00	21.20
GP400	GP407	3.60	5.09	8.05	11.38	13.94	18.00	25.46
GP600	GP607	7.40	10.40	16.70	23.60	29.00	37.50	53.00
GP10A	GP1007	12.20	17.30	27.30	39.00	43.70	62.00	88.00

Steam Capacities — Pounds Per Hour

MODEL NO.		5 PSIG INLET PRESSURE		10 PSIG INLET PRESSURE			MODEL NUMBERS	25 PSIG INLET PRESSURE			50 PSIG INLET PRESSURE		
Type III	Type IV	Pressure Drop (psi)		Pressure Drop (psi)			Type IV	Pressure Drop (psi)			Pressure Drop (psi)		
		2	4	2	5	7		5	10	15	10	20	30
GP207	GP257	19.40	27.40	21.40	33.90	40.30	GP357	42.30	60.00	73.00	76.00	107.00	130.00
GP307	GP357	56.50	79.90	63.30	100.00	118.30	GP457	126.80	179.30	219.60	228.90	323.70	396.50
GP407	GP457	67.80	95.90	75.90	120.00	142.00	GP657	152.20	215.20	263.60	274.70	388.50	475.80
GP607	GP657	147.00	211.00	162.00	261.00	312.00	GP1057	326.00	462.00	565.00	581.00	821.00	1005.00
GP1007	GP1057	245.00	346.00	270.00	431.00	511.00	GP257	538.00	760.00	927.00	956.00	1348.00	1667.00

TYPE II												
*32F24C2199ACF	—	—	—	—	—	—	77.00	123.00	175.00	214.00	278.00	390.00
**48F24C2199ACF	—	—	—	—	—	—	177.00	280.00	395.00	485.00	625.00	870.00

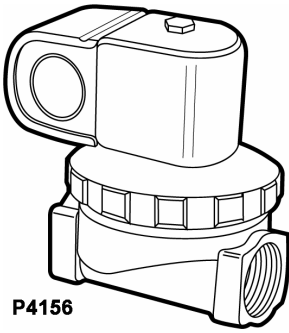
*GP20
**GP30

SOLENOID VALVES

SOLENOID VALVES

PARKER TWO-WAY SOLENOID VALVES — TYPE III

Valve Specifications — Type III



P4156

VALVE MODEL NO	PIPE SIZE	ORIFICE	Cv	OPERATING PRESSURE DIFFERENTIAL				°F MAXIMUM TEMP	COIL TYPE	AC COIL WATTAGE	DC COIL WATTAGE
				Minimum PSI	Maximum (MOPD) PSI Air Inert Gas	Maximum (MOPD) PSI Water	Maximum (MOPD) PSI Light Oil 300				
GP207	1/4	5/16	.98	1	150	150	150	240	G-23	9.0	14.0
GP307	3/8	1/2	3.00	1	150	150	150	240	G-23	9.0	14.0
GP407	1/2	1/2	3.60	1	150	150	150	240	G-23	9.0	14.0
GP607	3/4	3/4	7.40	1	150	150	150	240	G-23	9.0	14.0
GP1007	1	1	12.20	1	150	150	150	240	G-23	9.0	14.0

PARKER TWO-WAY SOLENOID VALVES — TYPE IV

Applications

These valves are recommended for steam service up to 50 psig saturated steam. NOTE: Do not apply on systems where steam is regulated to 50 psig or below from above 50 psig. Damage to the valve will result.

General Specifications

Type IV two-way solenoid valves have a brass body with a stainless steel seat insert and an ethylene propylene (EPT) diaphragm and seal. These valves are available with ¼ inch NPT through 1 inch NPT connection; normally closed only. They are not available with an explosion proof coil enclosure.

Materials

Body Forged Brass with Stainless Steel Seat
 Bonnet Forged Brass
 Diaphragms EPT
 Enclosing Tube 300 Series Stainless Steel
 Plunger 430 Series Stainless Steel
 Plunger Seat Disc EPT
 Springs 300 Series Stainless Steel
 Seal EPT

Valve Specifications — Type IV

VALVE MODEL NO	PIPE SIZE	ORIFICE	Cv	OPERATING PRESSURE DIFFERENTIAL			°F MAXIMUM TEMP	COIL TYPE	AC COIL WATTAGE
				Minimum PSI	Maximum (MOPD) PSI Steam/Water	Maximum (MOPD) PSI Water			
GP257	1/4	5/16	.98	1	50/150	300	150	G-23	9.0
GP357	3/8	1/2	3.00	1	50/150	300	150	G-23	9.0
GP457	1/2	1/2	3.60	1	50/150	300	150	G-23	9.0
GP657	3/4	3/4	7.40	1	50/150	300	150	G-23	9.0
GP1057	1	1	12.20	1	50/150	300	150	G-23	9.0

SOLENOID VALVES

SOLENOID VALVES

GENERAL PURPOSE SOLENOID VALVE

GP SERIES

PART NO	MODEL NO	PORT SIZE	Cv	CONNECTIONS (in FPT)	SHIP WT (lb)
70221	GP200	5/16	.98	1/4	0.75
70222	GP207	5/16	.98	1/4	.075
70223	GP257	5/16	.98	1/4	.075
70392	GP300	1/2	3.35	3/8	1.00
70393	GP307	1/2	3.35	3/8	1.00
70394	GP357	1/2	3.35	3/8	1.00
70561	GP4	1/2	3.35	1/2	1.00
70562	GP400	1/2	3.35	1/2	1.00
70563	GP407	1/2	3.35	1/2	1.00
70564	GP457	1/2	3.35	1/2	1.00
70712	GP600	3/4	7.40	3/4	2.00
70713	GP607	3/4	7.40	3/4	2.00
70714	GP657	3/4	7.40	3/4	2.00
70810	GP10A	1	12.20	1	4.25
70808	GP1007	1	12.20	1	4.25
70777	GP1057	1	12.20	1	4.25

SOLENOID COILS FOR GENERAL PURPOSE VALVES

PART NO	MODEL NO	WATTS	VOLTS	Hz	VA	
					HOLDING	INRUSH
77300	G23-24V	9	24 VAC	50/60	12	30
77310	G23-120	9	120 VAC	50/60	12	30
77311	G23-120 Boss	9	120 VAC	50/60	12	30
77320	G23-240	9	208/240 VAC	50/60	12	30
77340	G23-480	9	480 VAC	50/60	12	30
77360	G23-120/240	9	120/240 VAC	50/60	12	30
75520	G23-12V DC	14	12 VDC	--	--	--
75530	G23-24V DC	14	24 VDC	--	--	--