

MATERIAL SPECIFICATIONS

Body: Cast ductile iron, corrosion-resistant coated
 Bonnet Cartridge: Steel, plated
 Piston: Stainless steel, Teflon seal
 Plunger: Stainless steel
 Pilot Orifice: Stainless Steel
 Seats: Teflon, pilot and main
 MOPD: 300 psi (20 bar) AC coils only, 500 psi (34 bar) available
 Safe Working Pressure: 400 psig (27 bar), 600 psig (41 bar) for CO₂
 Operating Temperature: -60°F to +240°F (-50°C to +115°C)

ELECTRICAL

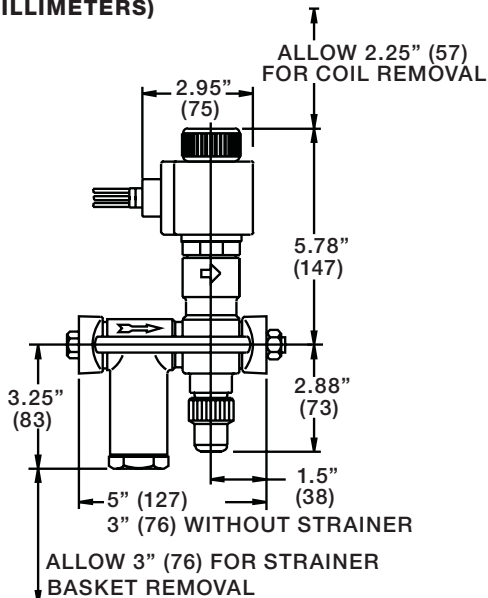
The coil draws 16 watts and will operate properly between 85% and 110% of rated voltage (24V coil draws 19 watts). Standard coil connection is a 1/2" fitting (NPSM) for conduit, with two 18" wire leads and ground wire. Coils with DIN plug or 1/2" NPSM quick disconnect plug are available. Contact the factory. All coils are totally encapsulated and meet NEMA 3R (rainproof) and NEMA 4 (splash proof, approx. IP65) requirements. The coil should only be energized while on the solenoid tube. Otherwise, immediate coil burnout may occur. To avoid bending the solenoid tube, remove the coil from valve before connecting any electrical conduit. Pilot lights are available.

INSTALLATION

Protect the interior of the valve from dirt before and during installation. A close-coupled inlet strainer is normally installed and recommended. Allow 2.25" (57 mm) above the valve for coil removal and 3" (76 mm) below the strainer for screen removal. The arrow on the valve body must point in the direction of system flow. If a pressure reversal can occur use a check valve on the outlet side of the HS8A. The check valve can be close coupled directly to the HS8A outlet. For proper flange gasket sealing, care must be taken when threading or welding to assure flanges are parallel to each other and perpendicular to pipe. Also, gaskets should be lightly oiled and all bolts must be tightened evenly.

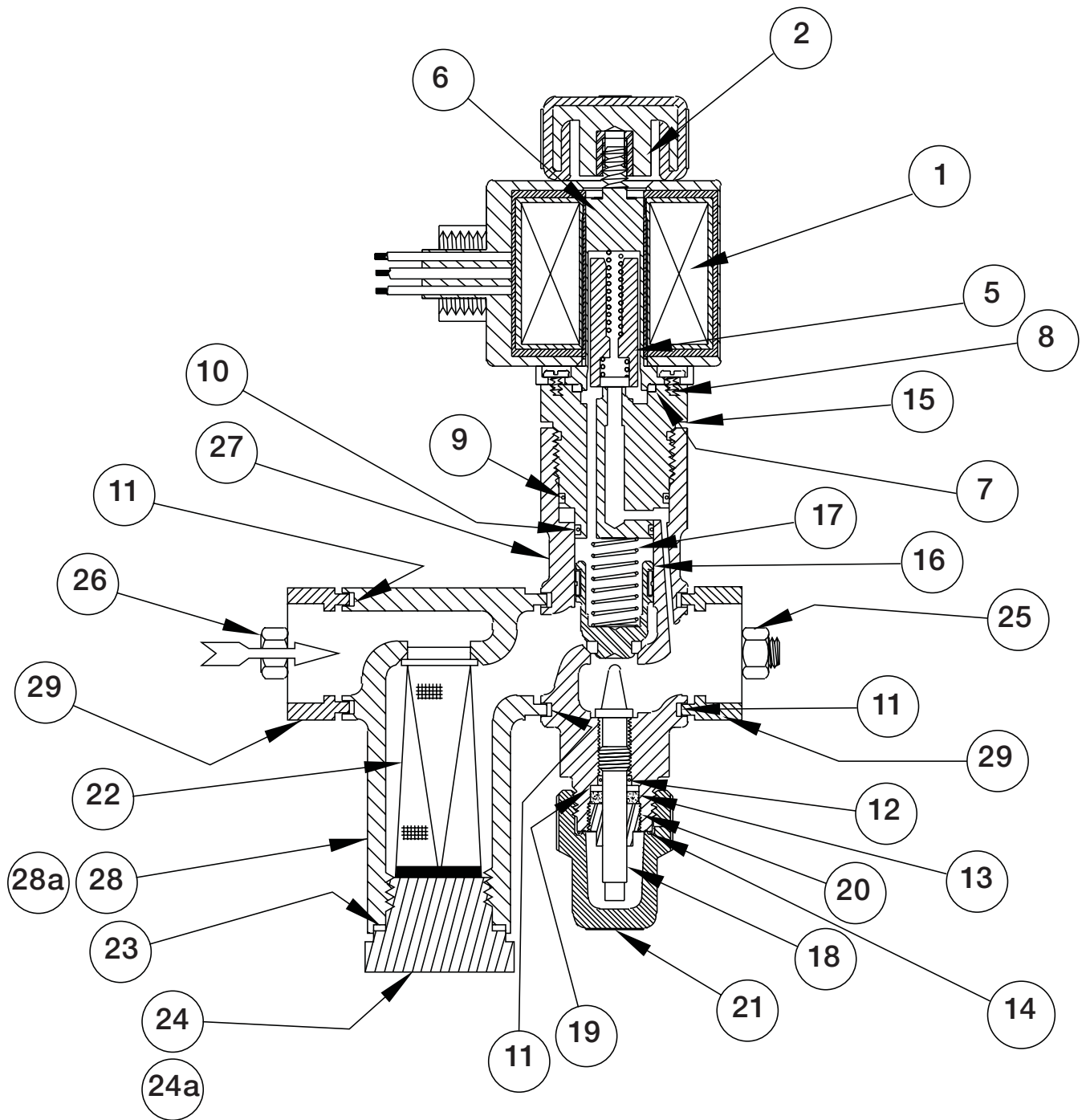
INSTALLATION DIMENSIONS

INCHES (MILLIMETERS)



PARTS LIST

Item	Description	Qty	Part No.
	Coil Kit (115V) 1/2" Fitting w/leads	1	70-1085
	Coil Kit (208/230V) 1/2" Fitting w/leads	1	70-1086
	Coil Kit (24V) 1/2" Fitting w/leads	1	70-1087
	Coil Kit (Other Voltages)	1	FACTORY
	<i>Above kits consist of:</i>		
1a	Bare Coil, 115V 50/60 Hz w/leads	1	70-0580
1b	Bare Coil, 208/230V 50/60Hz w/leads	1	70-0581
1c	Bare Coil, 24V 50/60Hz w/leads	1	70-0582
1d	Other Voltage Coils	1	FACTORY
2	Coil Knob	1	70-0579
	Solenoid Tube/Plunger Kit	1	70-1059
	<i>Above kit consists of:</i>		
5	Plunger	1	70-0295
6	Solenoid Tube	1	70-0298
7	Solenoid Tube Gasket	1	70-0301
8	Tube Screws	4	70-0297
2	Coil Knob	1	70-0579
	Gasket Kit	1	70-1005
	<i>Above kit consists of:</i>		
7	Solenoid Tube Gasket	1	70-0301
9	Upper Body O-Ring	1	70-0009
10	Lower Body O-Ring	1	70-0011
11	Flange Gasket	3	70-0065
12	Stem O-Ring	1	70-0010
13	Packing	1	70-0025
14	Seal Cap O-Ring	1	70-0011
19	Packing Washer	1	70-0026
20	Packing Nut	1	70-0019
	Bonnet Cartridge Kit	1	70-1001
	<i>Above kit consists of:</i>		
15	Cartridge Assembly	1	70-0144
	Gasket Kit	1	70-1005
	Solenoid Tube/Plunger Kit	1	70-1059
	Piston Assembly Kit	1	70-1002
	<i>Above kit consists of:</i>		
16	Piston Assembly	1	70-0497
17	Closing Spring	1	70-0494
	Gasket Kit	1	70-1005
	Stem Kit	1	70-1003
	<i>Above kit consists of:</i>		
18	Stem	1	70-0004
	Gasket Kit	1	70-1005
	Seal Cap Kit	1	70-1075
	<i>Above kit consists of:</i>		
21	Seal Cap	1	75-0798
14	Seal Cap O-Ring	1	70-0011
	Strainer Screen Kit	1	78-1001
	<i>Above kit consists of:</i>		
22	Screen Assembly, 100 mesh	1	78-0005
23	Strainer Cap Gasket	1	78-0016
	Bolt and Nut Kit		
	For HS8A less Strainer (a)		70-1006
	For HS8A with Strainer (b)		70-1007
	<i>Above kits consist of:</i>		
25	Nut, 7/16-14	2	70-0055
26a	Bolt, 7/16-14x3 3/4	2	70-0073
26b	Bolt, 7/16-14x5 1/2	2	70-0076
24	Strainer Cap	1	78-0002
24a	Strainer Cap with Drain Connect	1	78-1022
27	Assembled Body Replacement Kit Complete Valve less Coil Kit and Flanges		HS8A/1
28	Assembled Strainer Replacement Kit	1	78-1002
28a	Assembled Strainer Replacement Kit with Drain	1	78-0169
29	Flange Kit (FPT,SW,WN,ODS) <i>Includes (2) Flanges only; Specify Style and Size.</i>		FACTORY



STANDARD 1/2" COIL FITTING SHOWN ABOVE.
ADDITIONAL COIL OPTIONS ALSO AVAILABLE:

