

MATERIAL SPECIFICATIONS

Body: Ductile iron (Nodular Iron GGG-40)

Bonnet-Cartridge: Steel, plated

Piston: Stainless steel

Plunger: Stainless steel

Solenoid Tube: Stainless steel

Pilot Orifice: Stainless steel

Seat: Teflon

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)

ADVANTAGES

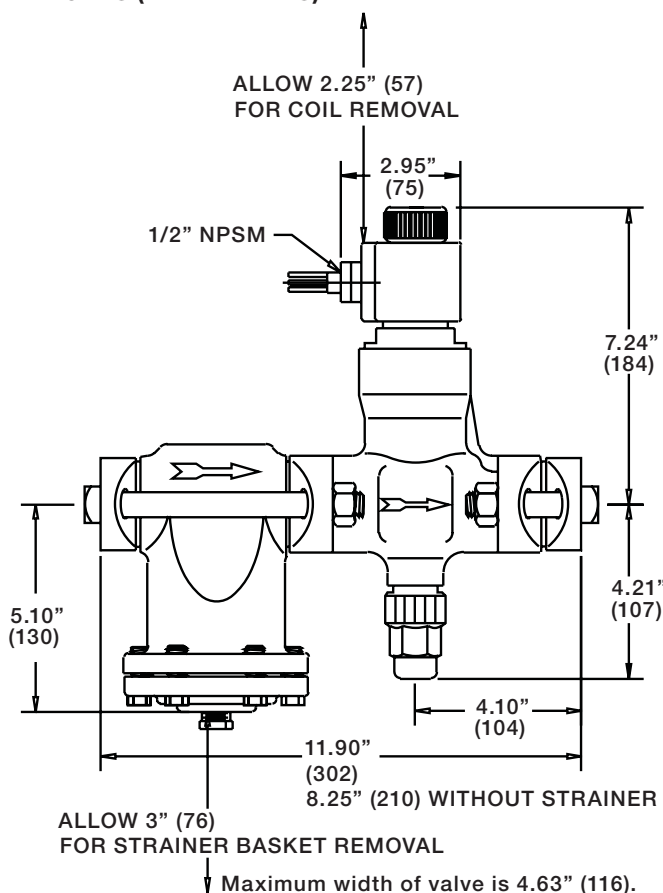
Power saving, low-wattage molded coil; Teflon seats; stainless steel trim including piston; spring-closing; double seal manual opening stem. One standard molded coil fits all Hansen valves.

INSTALLATION

Protect interior of valve from dirt during installation; normally use close-coupled inlet strainer. Allow 2.25" (57mm) above valve for coil removal, 3" (76 mm) below strainer for screen removal. Match arrow on body with system flow direction. If a pressure reversal can occur, as during hot gas defrost with liquid recirculation, use a check valve on the outlet side of the HS7. 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
3	O-Ring	1	75-0340
	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
3	O-Ring	1	75-0340
	Gasket Kit	1	70-1017
	<i>Above kit consists of:</i>		
7	Solenoid Tube Gasket	1	70-0301
9	Upper Body O-Ring	1	70-0131
10	Lower Body O-Ring	1	70-0130
11	Flange Gasket	3	70-0132
12	Stem O-Ring	1	70-0010
13	Stem Washer	1	70-0026
14	Packing Nut	1	70-0019
16	Stem Packing	1	70-0025
15	Seal Cap O-Ring	1	70-0011
	Bonnet Cartridge Kit	1	70-1018
	<i>Above kit consists of:</i>		
17	Cartridge Assembly	1	70-0162
	Gasket Kit	1	70-1017
	Solenoid Tube/Plunger Kit	1	70-1059
	Piston Assembly Kit 3/4"	1	70-1019
	Piston Assembly Kit 1"	1	70-1020
	Piston Assembly Kit 1 1/4"	1	70-1021
	<i>Above kits consist of:</i>		
18a	Piston Assembly 3/4"	1	70-0166
18b	Piston Assembly 1"	1	70-0163
18c	Piston Assembly 1 1/4"	1	70-0167
19	Closing Spring	1	70-0155
9	Upper Body O-Ring	1	70-0131
10	Lower Body O-Ring	1	70-0130
	Stem Kit	1	70-1022
	<i>Above kit consists of:</i>		
20	Stem	1	70-0128
	Gasket Kit	1	70-1017
	Seal Cap Kit	1	70-1023
	<i>Above kit consists of:</i>		
21	Seal Cap	1	50-0411
15	Seal Cap O-Ring	1	70-0011
	Bolt and Nut Kit		
	For HS7 less Strainer (a)		70-1024
	For HS7 with Strainer (b)		70-1025
	<i>Above kits consist of:</i>		
22	Nut	4	70-0136
23a	Bolt (less Strainer) 2.75"	4	70-0339
23b	Bolt (with Strainer) 2.75"	2	70-0339
23b	Bolt (with Strainer) 6.5"	2	70-0134
24	Assembled Body Replacement Kit		FACTORY
	Complete Valve less Coil Kit and Flanges		
25	Flange Kit (FPT,SW,WN,ODS)		FACTORY
	<i>Includes (2) Flanges only; Specify Style and Size.</i>		

