

Solenoid Valves

Coupled Diaphragm, Normally Closed

Types 21H, 3/8" - 1 1/2"

APPLICATION

Solenoid valves Type 21H are normally closed valves, energised to open and similar in design to servo-acting valves 21W Series but with the diaphragm coupled to the solenoid plunger. This enables the valve to operate from zero pressure without the need for a pressure differential, thus overcoming the problems associated with gravity feed and circulatory systems.

FEATURES

- Operate from zero pressure, no differential required
- Coil replacement without exposing fluid

TYPES AVAILABLE

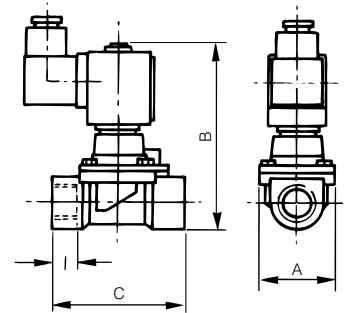
G^{3/8}" to 1/2", with 8 watt, 12 watt and 14 watt.
 G^{3/4}" to 1 1/2", with 8 watt, 12 watt and 14 watt.

TECHNICAL DATA

Ambient temp: -20°C to +55°C
 Fluid temp: -10°C to +90°C NBR(+140°C Viton)
 Viscosity: Max. 21 Cst. 3°E
 Materials: Seal: NBR or Viton
 Coil voltage: See page 26
 Voltage tolerance: +/-10%
 Consumption: 8 watts 25/14 VA
 12 watts 35/25 VA
 14 watts 43/27 VA
 Duty cycle: 100% continuous rating
 Protection class: IP 65 to DIN 40050 with correctly assembled connectors



DIMENSIONS (mm)

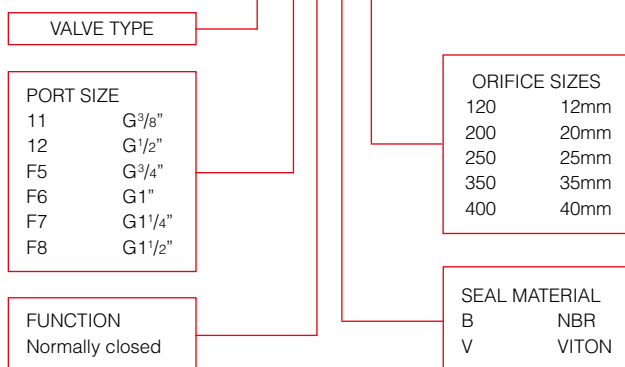


Code	A	B	C	I
21H11	40	99	50	11
21H11	40	99	50	11
21H12	40	99	50	14
21H12	40	99	50	14
21HF5	65	103	104	14
21HF6	65	110	104	17
21HF7	94	130	128	22
21HF8	94	130	128	22

HOW TO ORDER

Example:

21H 11 K B 120



FLOW & PRESSURE RATING CHART (bar)

Code	Ports	Orifice	AC	DC	Watt	Kv*
21H11K-120	3/8"	12	16	1.5	8	1.6
21H11K-120	3/8"	12	20	6	12	1.6
21H11K-120	3/8"	12	20	15	14	1.6
21H12K-120	1/2"	12	16	1.5	8	1.9
21H12K-120	1/2"	12	20	6	12	1.9
21H12K-120	1/2"	12	20	15	14	1.9
21HF5K-200	3/4"	20	16	6	8	7.2
21HF5K-200	3/4"	20	16	16	12	7.2
21HF6K-250	1"	25	16	5	8	8.4
21HF6K-250	1"	25	16	16	12	8.4
21HF7K-350	1 1/4"	35	16	6	14	16.2
21HF7K-350	1 1/4"	35	16	0	12	16.2
21HF8K-400	1 1/2"	40	16	6	14	16.8
21HF8K-400	1 1/2"	40	16	0	12	16.8

*Kv measured in m³/h water at 1 barΔP