









# Solenoid Valves

Coupled Diaphragm, Normally Closed, Stainless Steel,  
Type 21IH, 3/8" - 1 1/2"

## APPLICATION

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

## FEATURES

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

## TYPES AVAILABLE

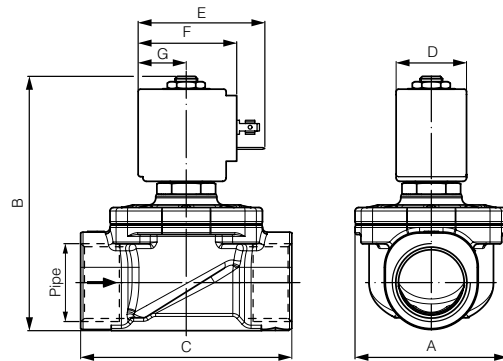
G<sup>3/8</sup>" to 1 1/2", with 8 watt, 12 watt, 14 watt coils

## TECHNICAL DATA

Ambient temp: -10°C to +80°C  
 Fluid temp: -10°C to +90°C NBR (+140°C Viton)  
 Viscosity: Max. 21 Cst. 3°E  
 Materials: Body: 316 stainless steel  
 Seal: NBR or Viton  
 Coil voltage: See page 26  
 Voltage tolerance: +10% -5% DC  
 +10% -15% AC  
 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 mm	B mm	C mm
21IH3K1V150	52	92	68
21IH4K1V160	52	92	68
21IH5K1V200	58	100	75
21IH6K1V250	65	109	90
21IH7K1V350	94	126	128
21IH8K1V400	94	126	128

Coil	W mm	D mm	E mm	F mm	G mm
B	8	30	42	54	20.5
U	12	36	48	60	23.5
G	14	52	55	67	25

## FLOW & PRESSURE RATING CHART (bar)

Code	Ports	Orifice	Watt	Min	AC	DC	Kv*
21IH3K1V150	3/8"	15	8	0	14	6	2.4
21IH3K1V150	3/8"	15	12	0	-	14	2.4
21IH4K1V160	1/2"	16	8	0	14	6	3
21IH4K1V160	1/2"	16	12	0	-	14	3
21IH5K1V200	3/4"	20	8	0	-	6	3.6
21IH5K1V200	3/4"	20	12	0	-	14	3.6
21IH6K1V250	1"	25	8	0	13	3	8.4
21IH6K1V250	1"	25	12	0	-	8	8.4
21IH6K1V250	1"	25	14	0	-	14	8.4
21IH7K1V350	1 1/4"	35	14	0	14	7	18
21IH8K1V400	1 1/2"	40	14	0	14	7	21

\*Kv measured in m<sup>3</sup>/h water at 1 barΔP