

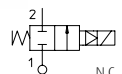
## Z 11H7+21IH8

## Solenoid valve 2/2 way combined operation



**CE**

(Pressure Equipment Directive 97/23/CE) for S.V. 21IH7+21IH8 - IHS 21IN7+21IN8...-IHS



### FEATURES

- ▶ Minimum pressure not required
- ▶ Textile diaphragm for heavy duty applications
- ▶ AISI 316 for high compatibility with aggressive fluids

### TECHNICAL SPECIFICATION

- ▶ **Body material:** Stainless Steel AISI 316 series
- ▶ **Armature tube:** Stainless Steel AISI 316 series
- ▶ **Plungers:** Stainless Steel AISI 400 series
- ▶ **Spring:** Stainless Steel AISI 300 series
- ▶ **Ex d Housing** in Aluminium die cast
- ▶ **Media:** air, inert gas, water, mineral oils, gasoline, diesel
- ▶ **Ambient temperature:** See coils catalogue page for its compatibility
- ▶ **Fluid temperature:** -10°C +90°C with NBR + PA seals  
-10°C +140°C with FKM + PA seals
- ▶ **Design pressure PS:** 16 bar
- ▶ **Protection class:** IP65 (complete with electric plug)
- ▶ **Electrical conformity:** IEC 335

### AVAILABLE ON REQUEST

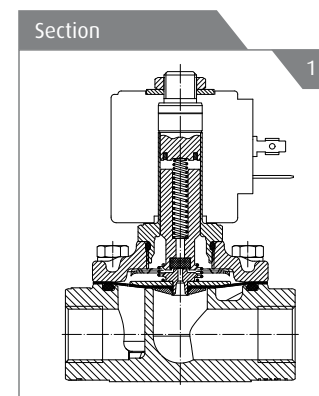
- ▶ Explosion proof coil Ex m (see Atex section)
- ▶ Explosion proof coil Ex d (see Atex section)
- ▶ Explosion proof coil Ex nA (see Atex section)
- ▶ Latching coil (see Atex section)



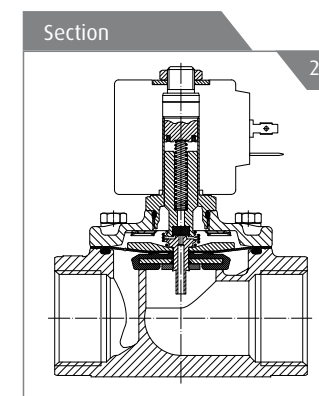
| 21IH        | 3                     | K1       | V      | 150 |               |
|-------------|-----------------------|----------|--------|-----|---------------|
| Model valve | 3= G 3/8 - 3/8 NPT    | K1= N.C. | V= FKM |     | Orefice 10 mm |
|             | 4= G 1/2 - 1/2 NPT    |          |        |     |               |
|             | 5= G 3/4 - 3/4 NPT    |          |        | 150 |               |
|             | 6= G 1 - 1 NPT        |          |        | 160 |               |
|             | 7= G1 1/4 - 1 1/4 NPT |          |        | 200 |               |
|             | 8= G1 1/2 - 1 1/2 NPT |          |        | 250 |               |
|             |                       |          |        | 350 |               |
|             |                       |          |        | 400 |               |

| B               | D               | A          | 08      | 024            | A     | S                   |
|-----------------|-----------------|------------|---------|----------------|-------|---------------------|
| B= 30mm<br>Ø 13 | D EN 175301-803 | A= Class F | 08= 8W  | 024= 24V       | C= DC | S= Without Approval |
| U= 36mm<br>Ø 13 |                 | V= Class H | 12= 12W | 110= 110V-120V | A= AC | Y= UL, CSA, VDE     |
| G= 52mm<br>Ø 13 |                 |            | 14= 14W | 230= 230V-240V | D= AC |                     |

| PIPE  | Ø<br>(mm) | Kv<br>(l/min) | MAX VISCOSITY<br>cSt (°E) | PRESSURE<br>min | PRESSURE MAX MOPD (bar) |    |   |    |   |    | GAS CODE      | NPT CODE        | DRAWING<br>REFERENCE |
|-------|-----------|---------------|---------------------------|-----------------|-------------------------|----|---|----|---|----|---------------|-----------------|----------------------|
|       |           |               |                           |                 | COIL TYPE               |    |   |    |   |    |               |                 |                      |
|       |           |               |                           |                 | AC                      |    |   | DC |   |    |               |                 |                      |
|       |           |               |                           |                 | B                       | U  | G | B  | U | G  |               |                 |                      |
| 3/8   | 15        | 40            | 12(2)                     | 0               | 14                      | -  | - | 6  | - | 14 | 21IH3K1V150   | 21IN3K1V150-IH  | 1                    |
| 1/2   | 16        | 50            | 12(2)                     |                 | 14                      | -  | - | 6  | - | 14 | 21IH4K1V160   | 21IN4K1V160-IH  | 1                    |
| 3/4   | 20        | 60            | 12(2)                     |                 | 14                      | -  | - | 6  | - | 14 | 21IH5K1V200   | 21IN5K1V200-IH  | 1                    |
| 1     | 25        | 140           | 12(2)                     |                 | 14                      | -  | - | 3  | 8 | 14 | 21IH6K1V250   | 21IN6K1V250-IH  | 1                    |
| 1 1/4 | 35        | 300           | 12(2)                     |                 | -                       | 14 | - | -  | - | -  | 21IH7K1V350   | 21IN7K1V250-IH  | 1                    |
| 1 1/4 | 35        | 300           | 12(2)                     |                 | -                       | -  | - | -  | 7 | -  | 21IH7K1V350-S | 21IN7K1V250-IHS | 1                    |
| 1 1/2 | 40        | 340           | 12(2)                     |                 | -                       | 14 | - | -  | - | -  | 21IH8K1V400   | 21IN8K1V400-IH  | 1                    |
| 1 1/2 | 40        | 340           | 12(2)                     |                 | -                       | -  | - | -  | 7 | -  | 21IH8K1V400-S | 21IN8K1V400-IHS | 1                    |



**REPAIR KIT**  
G 3/8 - 3/8 NPT ÷ G 1/2 - 1/2 NPT  
KTIH3K1V15  
G 3/4 - 3/4 NPT  
KTIH5K1V20

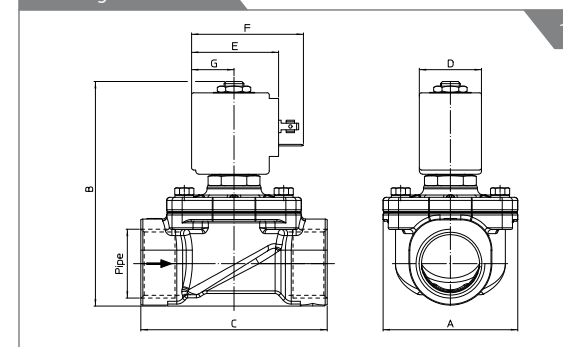


**REPAIR KIT**  
G 1 - 1 NPT  
KTIH6K1V25  
G 1 1/4 - 1 1/4 NPT ÷ G 1 1/2 - 1 1/2 NPT  
KTIH7K1V35

### RELATED ITEMS

- ▶ P990305: Electrical plug EN 175301-803 Pg9
- ▶ P990306: Electrical plug EN 175301-803 Pg11
- ▶ P992126: Electrical plug EN 175301-803 Pg9 (with OR screw)
- ▶ P992127: Electrical plug EN 175301-803 Pg11 (with OR screw)
- ▶ P992128: Electrical plug EN 175301-803 cable 2 wires, 53cm
- ▶ R452714: Antihumidity kit (up to IP67 protection together with plugs P992126, P992127; P992128 & H coil class)
- ▶ P992087: Timer for automatic switch

### Drawing Reference



### Dimensionale Table

| Figure | Coil Type | D mm | E mm | F mm | G mm |
|--------|-----------|------|------|------|------|
| 1      | B         | 30   | 42   | 54   | 20,5 |
|        | U         | 36   | 48   | 60   | 23,5 |
|        | G         | 52   | 55   | 67   | 25   |

### Dimensionale Table

| Figure | Pipe             | A mm | B mm | C mm |
|--------|------------------|------|------|------|
| 1      | G 3/8<br>3/8 NPT | 58   | 92   | 68   |
|        | G 1/2<br>1/2 NPT |      |      |      |
|        | G 3/4<br>3/4 NPT | 58   | 100  | 75   |
|        | G 1<br>1 NPT     | 65   | 109  | 90   |
|        | G 1/4<br>1/4 NPT | 94   | 125  | 128  |
|        | G 1/2<br>1/2 NPT |      |      |      |

