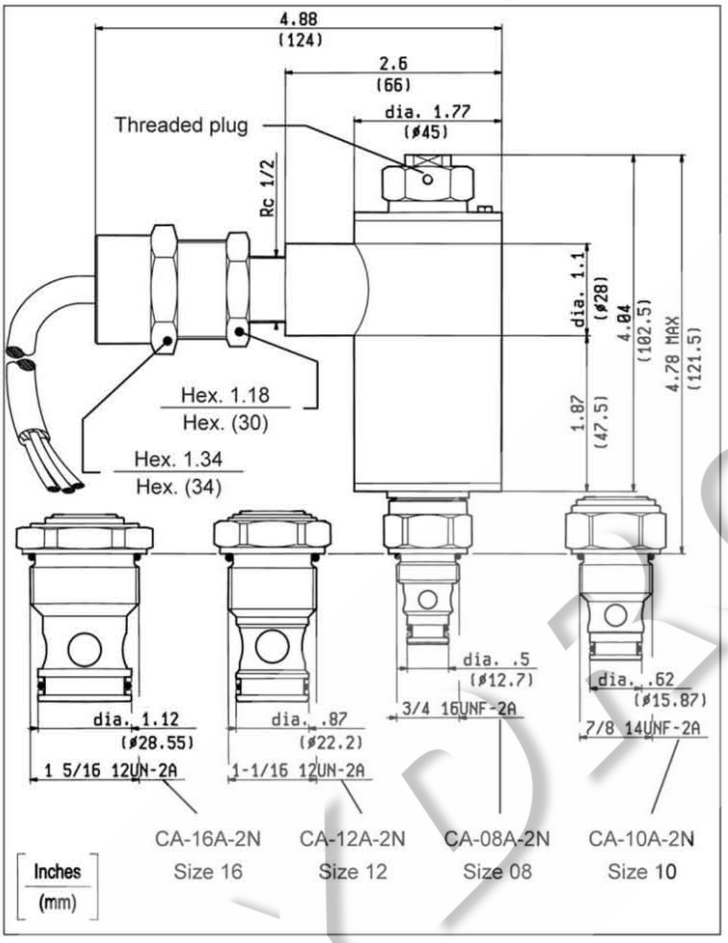
Part number:

HYDROMA HYDRAULICKÉ SYSTÉMY | HIDROMA SISTEMS UKŁADY HYDRAULICZNE | HYDROMA ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

# SOLENOID OPERATED VALVES
# POPPET 2-WAY WITH EXPLOSION-PROOF SOLENOID
# COMMON CAVITY

| VEI-EX SERIES | Ex | | OD.15 - K - X - Y - Z |
|---|---|---|---|




## DESCRIPTION - FEATURES

Explosion-proof solenoids can be fitted onto all 2-way pilot operated cartridges (size 08 - 10 - 12 - 16). Pressure and flow performance of the valves remain unchanged from SERIES 8A cartridges.

## TECHNICAL DATA

**EXPLOSION-PROOF PROTECTION :**
- **EEx d IIC T6** according to CENELEC EN 50014 and EN 50018.
- **II 2 G** according to ATEX 94/9/CE.

Electrical construction approved and certified by CESI with conformity certificate CESI 03 ATEX 212.

Protection **IP 67** — DIN 40050 Part 9

Working Duty **ED 100%** — DIN VDE 0580

Weight of the complete solenoid : **2.2 lbs (1 kg)**

Solenoids are supplied with 3-wire cable with silicon-rubber protective covering and threaded connector. Cable length 59.6 inches (1.5 m) - Wire section area 0.06 inches$^2$ (1.5 mm$^2$). Electrical connection to the coil has to be made according to relevant CENELEC and ATEX ex-proof specifications.

Earth Connection : it has to be made through an internal or external earth-connection screw using a cable with minimum section area of 0.06 inches$^2$ (1.5 mm$^2$).

Coil retaining nut is an essential part of the explosion-proof construction and has to be tightened and locked through the threaded plug.

Label on coils indicates nominal voltage, explosion-proof protection class, certification number by CESI and maximum power consumption.

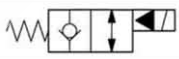
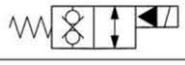
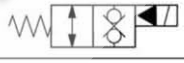
| Ambient temperature range | -68 +104 °F | (-20 +40 °C) |
|---|---|---|

Different voltages are available on request.

Inlet voltage fluctuations must not exceed ± 10% of nominal voltage to obtain correct operation and long life of coils.

Coils cannot be ordered separately from the valves.

**IMPORTANT :** All products shown in this page are not available from stock and not included in our standard price list. Please contact our Sales Department for any information.

| K | Y = 96 Normally Open | Y = 98 Normally Closed |
|---|---|---|
| 05 | / |  |
| 06 |  | / |
| 31 | / |  |
| 32 |  | / |

| Z | Voltage V | Resistance Ω (±7%) | Power W | Current A | | ΔT °F (°C) |
|---|---|---|---|---|---|---|
| | Nominal | Ta = 68-77 °F (20-25 °C) | Cold Coil | Cold Coil | Hot Coil | 1 hour energized Ta = 68-77 °F (20-25 °C) Nominal V |
| OB | 12 DC | 17.4 | 7 | 0.67 | 0.53 | 170.6 (77) |
| OC | 24 DC | 72 | 7 | 0.33 | 0.23 | 140 (60) |
| | | | | | | |

| X | OPTIONS | | |
|---|---|---|---|
| | cavity | | |
| 18 | CA-08A-2N | | |
| 36 | CA-10A-2N | | |
| 89 | CA-12A-2N | | |
| 75 | CA-16A-2N | | |
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