AIGNEP

## Valves Series

Solenoid Valves

**01V**

Pg. 18.3

Inox Solenoid Valves

**X1V**

Pg. 18.42

Solenoid Valves

**07V**

Pg. 18.50

Namur Solenoid Valves

**08V**

Pg. 18.53

Miniature Electropilots U1

**AA**

Pg. 18.60

Universal Valves G1/8 - G1/4

**CL - CM**

Pg. 18.67

Rotary Hand Lever Valves

**12V**

Pg. 18.96

Micro Valves

**AI JET**

Pg. 18.99

Micro Valves

**AI JET2**

Pg. 18.104

16mm Valves - Mechanical and Manual Operators

**CH**

Pg. 18.107

Pedal Valves

**AM**

Pg. 18.110

## FIELDBUS Valves Series

Fieldbus Electropneumatic Valves

**16V**

Pg. 18.114

Fieldbus Electropneumatic Valves

**17V**

Pg. 18.121

## ISO Valves Series

Valves ISO 5599 - Size 1 - 2 - 3 - 4

**BE**

Pg. 18.156

## COILS & CONNECTORS Series

Solenoid and Connectors

**Coils & Connectors**

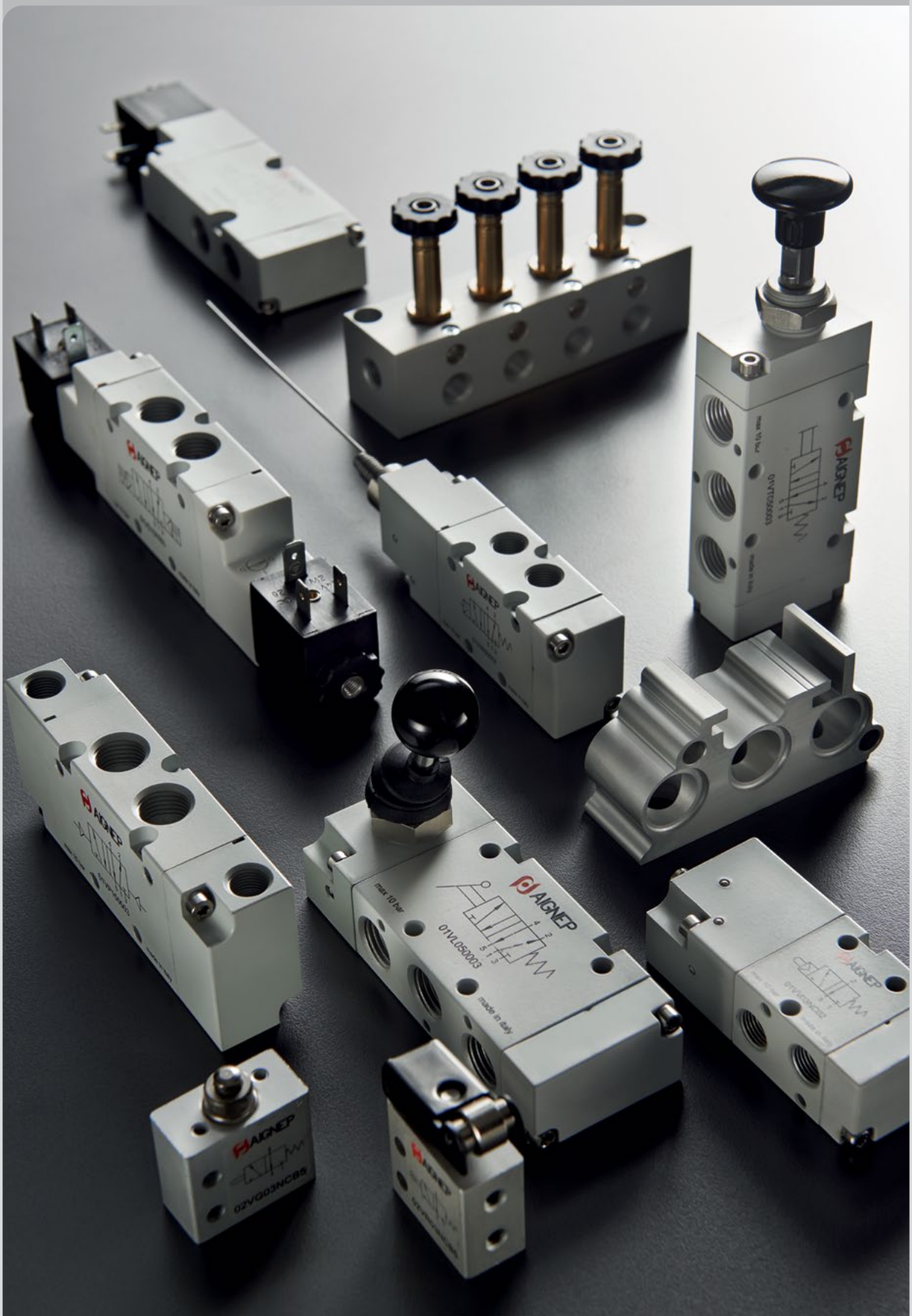
Pg. 18.169

Click here to view the Valves Series on our Website

AIGNEP

AIGNEP

# MANUAL, PNEUMATIC, SOLENOID PILOT, FIELDBUS AND ISO VALVES




# Valves Series

# SERIES CH - POPPET VALVES

## 2/2 - 3/2 G1/8 poppet valves, main features:

- Closed centers
- High flow rate
- Quick response time
- Suitable for heavy duties and where the number of mechanical operation is high

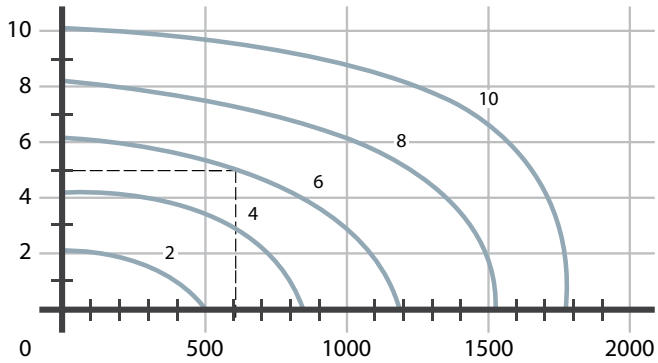
| | |
|---|---|
| Fluid | filtered air 50 µm, with or without lubrication, |
| Temperature Ambient | + 14 °C ÷ + 113 °F |
| Temperature fluid | max 122°F |
| Commutation system | poppet |
| Way/Position | 2/2 NC-NO, 3/2 NC-NO |
| Pressure | Max 145 psi (10 bar) |
| Control | manual, mechanical |
| Return | mechanical spring |
| Connections | G1/8 |
| Nominal bore (mm) | .197 (5) |
| Nominal flow rate (Nl/min) | 600 (NC), 550 (NO) |
| Valve body | zamak |
| Seals | NBR |
| Operators | galvanised steel/ technopolymer |
| Spool | nickel-plated brass |

## Reference standard

II 2Gc IIC T5 II 2Dc T100°C

### 3/2 NC

P (bar) PA (bar)

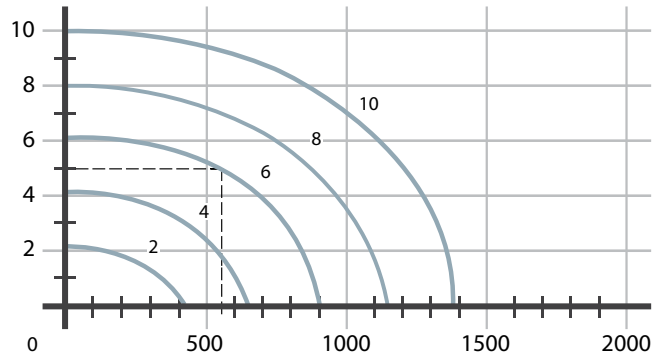



**Qn** (Nl/min)

P = Working pressure
PA = Supply pressure
Qn = Flow rate

### 3/2 NO

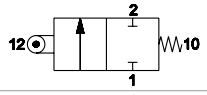
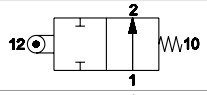
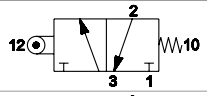
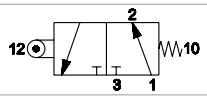
P (bar) PA (bar)



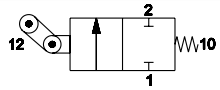
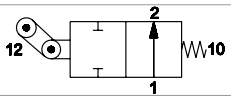
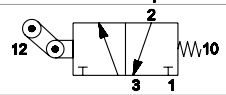
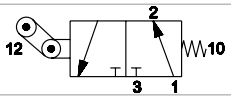

**Qn** (Nl/min)

P = Working pressure
PA = Supply pressure
Qn = Flow rate

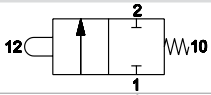
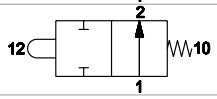
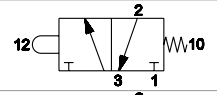
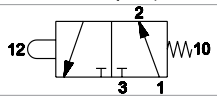
## ROLLER LEVER - SPRING

| | Code | Way | Thread | Flow rate Nl/min | Force N | Weight lb (Kg) | |
|---|---|---|---|---|---|---|---|
|  | UCH 252 | 2/2 NC | G 1/8 | 600 | 21 | 0.44 (0.2) |  |
| | UCH 256 | 2/2 NO | G 1/8 | 550 | 15 | 0.44 (0.2) |  |
| | UCH 250 | 3/2 NC | G 1/8 | 600 | 21 | 0.44 (0.2) |  |
| | UCH 254 | 3/2 NO | G 1/8 | 550 | 15 | 0.44 (0.2) |  |

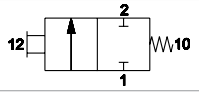
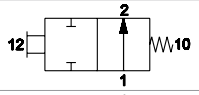
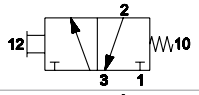
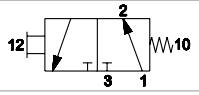
## UNI-DIRECTIONAL ROLLER LEVER - SPRING

| | Code | Way | Thread | Flow rate Nl/min | Force N | Weight lb (Kg) | |
|---|---|---|---|---|---|---|---|
|  | UCH 262 | 2/2 NC | G 1/8 | 600 | 16 | 0.46 (0.21) |  |
| | UCH 266 | 2/2 NO | G 1/8 | 550 | 12 | 0.46 (0.21) |  |
| | UCH 260 | 3/2 NC | G 1/8 | 600 | 16 | 0.46 (0.21) |  |
| | UCH 264 | 3/2 NO | G 1/8 | 550 | 12 | 0.46 (0.21) |  |

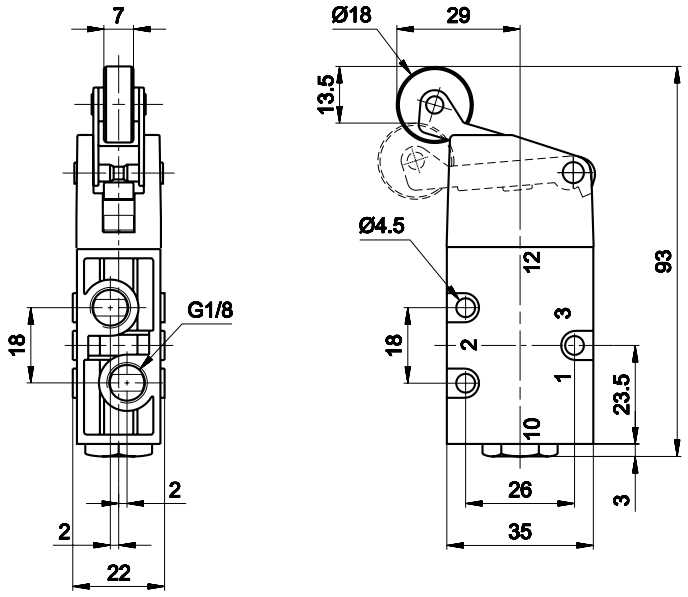
## BALL-PUSH - SPRING

| | Code | Way | Thread | Flow rate Nl/min | Force N | Weight lb (Kg) | |
|---|---|---|---|---|---|---|---|
|  | UCH 272 | 2/2 NC | G 1/8 | 600 | 51 | 0.40 (0.18) |  |
| | UCH 276 | 2/2 NO | G 1/8 | 550 | 39 | 0.40 (0.18) |  |
| | UCH 270 | 3/2 NC | G 1/8 | 600 | 51 | 0.40 (0.18) |  |
| | UCH 274 | 3/2 NO | G 1/8 | 550 | 39 | 0.40 (0.18) |  |

## BUTTON LEVER - SPRING

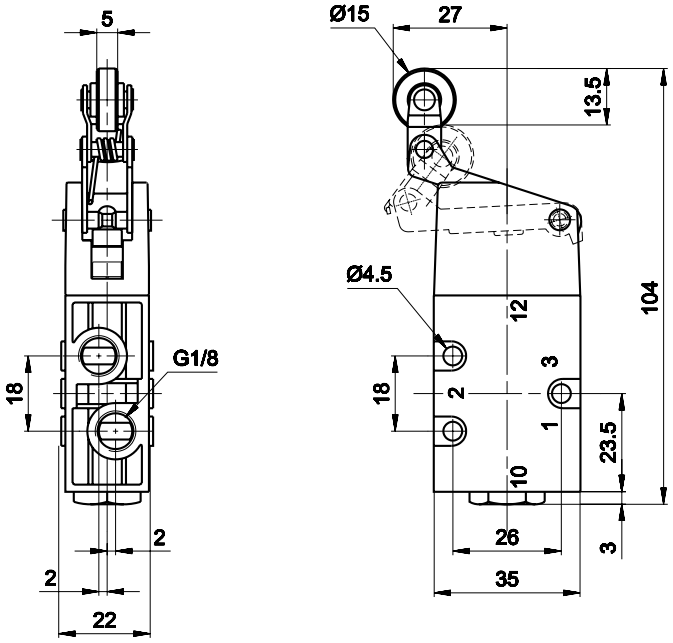
| | Code | Way | Thread | Flow rate Nl/min | Force N | Weight lb (Kg) | |
|---|---|---|---|---|---|---|---|
|  | UCH 282 | 2/2 NC | G 1/8 | 600 | 18 | 0.40 (0.18) |  |
| | UCH 286 | 2/2 NO | G 1/8 | 550 | 14 | 0.40 (0.18) |  |
| | UCH 280 | 3/2 NC | G 1/8 | 600 | 18 | 0.40 (0.18) |  |
| | UCH 284 | 3/2 NO | G 1/8 | 550 | 14 | 0.40 (0.18) |  |

## ROLLER LEVER - SPRING



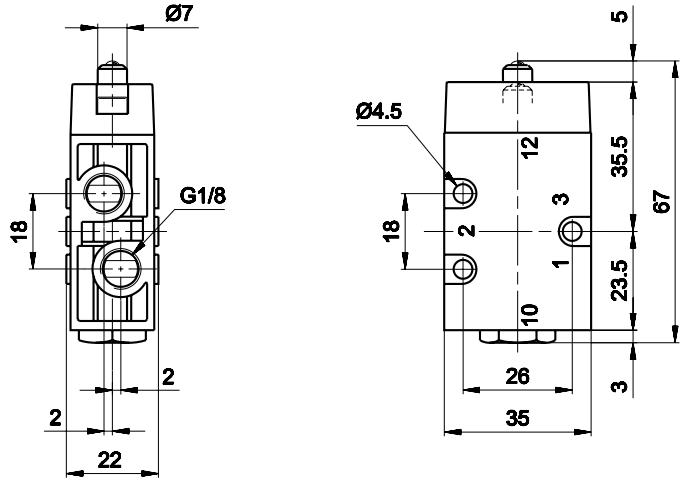

1 = Supply port
2 = Use
3 = Exhaust
4 = Control
5 = Return

## UNI-DIRECTIONAL ROLLER LEVER - SPRING



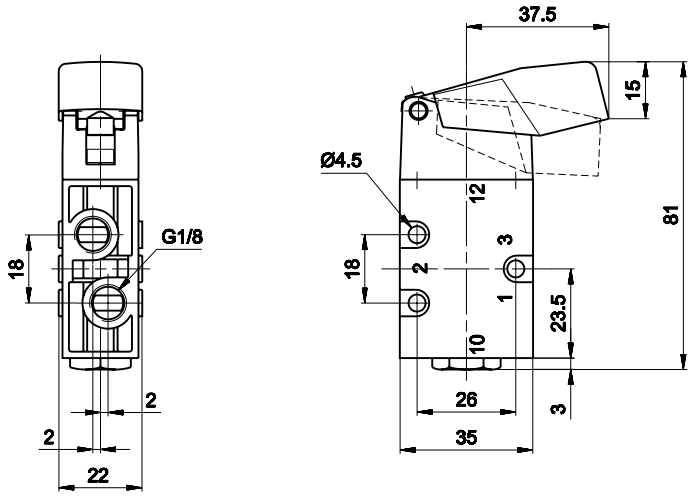

1 = Supply port
2 = Use
3 = Exhaust
4 = Control
5 = Return

## BALL-PUSH - SPRING




1 = Supply port
2 = Use
3 = Exhaust
4 = Control
5 = Return

## BUTTON LEVER - SPRING




1 = Supply port
2 = Use
3 = Exhaust
4 = Control
5 = Return