

## DESCRIPTION

2 way normally open angle seat valve pneumatically operated

## PRESENTATION

- High flow rate due to the angle seat configuration
- Anti-water hammer feature with the fluid entry below the seat
- Stainless steel and corrosion resistance body
- Orientable pneumatic actuator
- Self adjusting internal seal
- Optical position indicator
- Back pressure resistance capability
- Maintenance free sealing pack
- Universal mounting position

**USE:** Automation, heating, water, hot water, steam (180°C), aggressive and food fluid

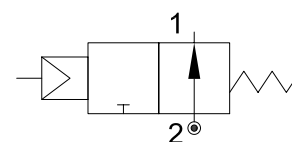
**CONNECTION:** from 1/2" to 2" GAS o NPT

## VALVE FEATURES

|                     |                          |
|---------------------|--------------------------|
| Fluid temperature   | -40°C +180°C             |
| Ambient temperature | -10°C +80°C              |
| Fluid viscosity     | max 600 cSt              |
| Body material       | Stainless steel AISI 316 |
| Seal                | PTFE                     |
| Packing gland       | PTFE/FKM                 |

## PILOT ACTUATOR FEATURES

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Fluid              | Dry or lubricated air, gases and neutral fluids |
| Fluid temperatures | max +60°C                                       |
| Body material      | Polyamide 66 with 30% glass fibre               |
| Gaskets            | NBR                                             |
| Actuator           | Ø70                                             |



5

| CODE<br>①     | Connection | Orifice<br>mm | Kv<br>l/min | Actuator pilot<br>pressure (bar) |     | Differential pressure<br>MOPD (bar) |                                      | Max allowable<br>pressure | Weight<br>Kg |
|---------------|------------|---------------|-------------|----------------------------------|-----|-------------------------------------|--------------------------------------|---------------------------|--------------|
|               | GAS - NPT  |               |             | min                              | max | min                                 | max                                  | PS (bar)                  |              |
| P270D...W15/V | 1/2"       | 15            | 80          | 1.5                              | 10  | 0                                   | see pressure<br>table<br>(next page) | 40                        | 1.4          |
| P270E...W20/V | 3/4"       | 20            | 150         |                                  |     |                                     |                                      |                           | 1.5          |
| P270F...W25/V | 1"         | 25            | 190         |                                  |     |                                     |                                      |                           | 1.8          |
| P270G...W32/V | 1"1/4      | 32            | 340         |                                  |     |                                     |                                      | 25                        | 2.4          |
| P270H...W40/V | 1"1/2      | 40            | 430         |                                  |     |                                     |                                      |                           | 2.7          |
| P270I...W50/V | 2"         | 50            | 620         |                                  |     |                                     |                                      | 16                        | 3.9          |

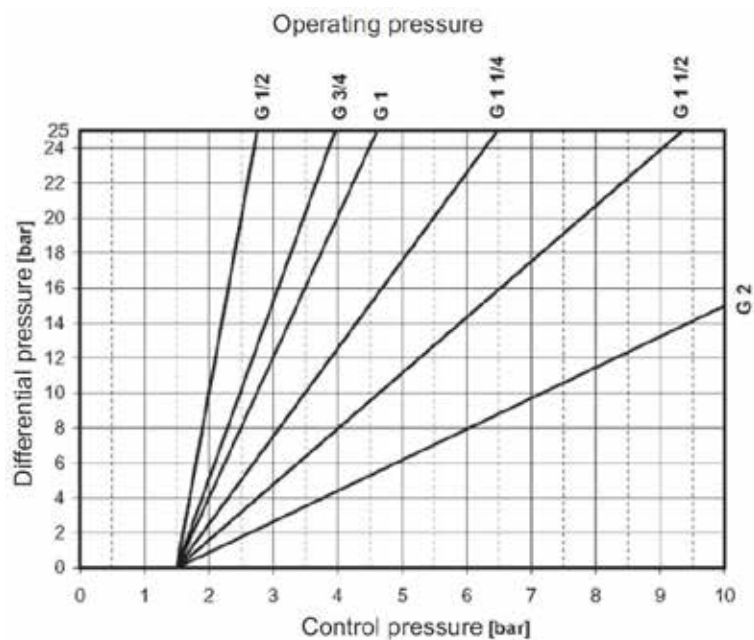
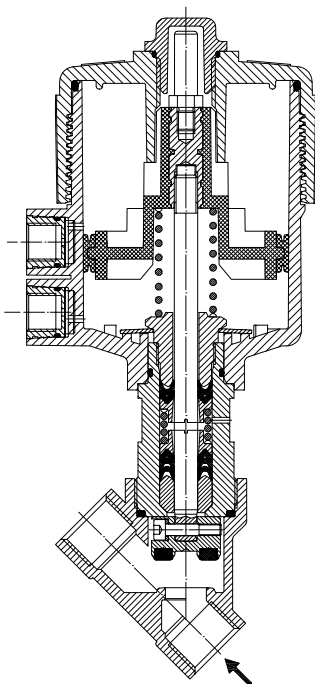
① G= GAS (ISO228/1)  
N= NPT (ANSI/ASME B1.20.1)

Ordination example: P270FGW25/V connection G1"



CE Approval

(Pressure equipment directive 2014/68/UE)  
for valves P270G\_W32 - P270H\_W40 - P270I\_W50



## OVERALL DIMENSION

| <b>CONNECTION</b><br>GAS or NPT | <b>A</b><br>mm | <b>B</b><br>mm | <b>C</b><br>mm | <b>D</b><br>mm | <b>H</b><br>mm | <b>L</b><br>mm | <b>T</b><br>mm |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1/2"                            | 206.8          | SW 27          | 178.7          | 15.4           | 163.3          | 65             | 17             |
| 3/4"                            | 211.7          | SW 32          | 188.6          | 21.9           | 166.7          | 75.5           | 19             |
| 1"                              | 220.1          | SW 41          | 197.8          | 25.1           | 172.7          | 90             | 21             |
| 1" 1/4                          | 235.9          | SW 50          | 212.3          | 28.5           | 183.8          | 110            | 24             |
| 1" 1/2                          | 238.9          | SW 55          | 217.0          | 31.0           | 186            | 122            | 25.2           |
| 2"                              | 247.8          | SW 70          | 229.7          | 37.5           | 192.2          | 151            | 28.5           |

