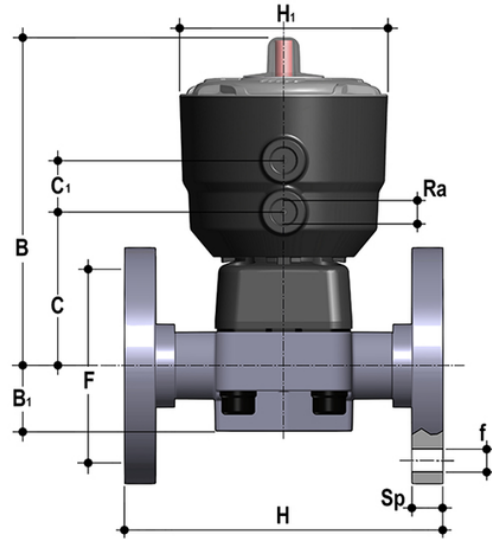


# DKOAV/CP NO – Pneumatically actuated 2-way diaphragm valve PN 10 DN 15:65

Pneumatically actuated diaphragm valve with flanged monolithic body, drilled ANSI B16.5 cl. 150 #FF. Normally Open function.



## EPDM

| Reference   | system            | Category                      | family           | series         | d      | DN | PN | B   | B <sub>1</sub> | C   | C <sub>1</sub> | F      | product.detail.attribute.Øf | H   | H <sub>1</sub> | R[5: |
|-------------|-------------------|-------------------------------|------------------|----------------|--------|----|----|-----|----------------|-----|----------------|--------|-----------------------------|-----|----------------|------|
| DKOAVNO012E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1/2"   | 15 | 10 | 148 | 25             | 66  | 24             | 60,30  | 14                          | 108 | 97             | 1/4" |
| DKOAVNO034E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 3/4"   | 20 | 10 | 151 | 30             | 69  | 24             | 69,90  | 15.7                        | 120 | 97             | 1/4" |
| DKOAVNO100E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1"     | 25 | 10 | 159 | 33             | 78  | 24             | 79,40  | 15.7                        | 131 | 97             | 1/4" |
| DKOAVNO114E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1" 1/4 | 32 | 10 | 163 | 30             | 82  | 24             | 88,90  | 15.7                        | 162 | 97             | 1/4" |
| DKOAVNO112E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1" 1/2 | 40 | 10 | 207 | 35             | 112 | 24             | 98,40  | 15.7                        | 180 | 126            | 1/4" |
| DKOAVNO200E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 2"     | 50 | 10 | 245 | 46             | 142 | 24             | 120,70 | 19                          | 210 | 157            | 1/4" |



# DKOAV/CP NO - Pneumatically actuated 2-way diaphragm valve

## PN 10 DN 15:65

| Reference   | system            | Category                      | family           | series         | d      | DN | PN | B   | B <sub>1</sub> | C   | C <sub>1</sub> | F      | product.detail.attribute.Øf | H   | H <sub>1</sub> | R[5: |
|-------------|-------------------|-------------------------------|------------------|----------------|--------|----|----|-----|----------------|-----|----------------|--------|-----------------------------|-----|----------------|------|
| DKOAVNO212E | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 2" 1/2 | 65 | 10 | 245 | 46             | 142 | 24             | 139,70 | 19                          | 250 | 157            | 1/4" |

### FKM

| Reference   | system            | Category                      | family           | series         | d      | DN | PN | B   | B <sub>1</sub> | C   | C <sub>1</sub> | F      | product.detail.attribute.Øf | H   | H <sub>1</sub> | R[5: |
|-------------|-------------------|-------------------------------|------------------|----------------|--------|----|----|-----|----------------|-----|----------------|--------|-----------------------------|-----|----------------|------|
| DKOAVNO012F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1/2"   | 15 | 10 | 148 | 25             | 66  | 24             | 60,30  | 14                          | 108 | 97             | 1/4" |
| DKOAVNO034F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 3/4"   | 20 | 10 | 151 | 30             | 69  | 24             | 69,90  | 15.7                        | 120 | 97             | 1/4" |
| DKOAVNO100F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1"     | 25 | 10 | 159 | 33             | 78  | 24             | 79,40  | 15.7                        | 131 | 97             | 1/4" |
| DKOAVNO114F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1" 1/4 | 32 | 10 | 163 | 30             | 82  | 24             | 88,90  | 15.7                        | 162 | 97             | 1/4" |
| DKOAVNO112F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1" 1/2 | 40 | 10 | 207 | 35             | 112 | 24             | 98,40  | 15.7                        | 180 | 126            | 1/4" |
| DKOAVNO200F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 2"     | 50 | 10 | 245 | 46             | 142 | 24             | 120,70 | 19                          | 210 | 157            | 1/4" |
| DKOAVNO212F | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 2" 1/2 | 65 | 10 | 245 | 46             | 142 | 24             | 139,70 | 19                          | 250 | 157            | 1/4" |

### PTFE

| Reference   | system            | Category                      | family           | series         | d    | DN | PN | B   | B <sub>1</sub> | C  | C <sub>1</sub> | F     | product.detail.attribute.Øf | H   | H <sub>1</sub> | R[5: |
|-------------|-------------------|-------------------------------|------------------|----------------|------|----|----|-----|----------------|----|----------------|-------|-----------------------------|-----|----------------|------|
| DKOAVNO012P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1/2" | 15 | 10 | 148 | 25             | 66 | 24             | 60,30 | 14                          | 108 | 97             | 1/4" |
| DKOAVNO034P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 3/4" | 20 | 10 | 151 | 30             | 69 | 24             | 69,90 | 15.7                        | 120 | 97             | 1/4" |





# DKOAV/CP NO – Pneumatically actuated 2-way diaphragm valve PN 10 DN 15:65

| Reference   | system            | Category                      | family           | series         | d      | DN | PN | B   | B <sub>1</sub> | C   | C <sub>1</sub> | F      | product.detail.attribute.Øf | H   | H <sub>1</sub> | R[5: |
|-------------|-------------------|-------------------------------|------------------|----------------|--------|----|----|-----|----------------|-----|----------------|--------|-----------------------------|-----|----------------|------|
| DKOAVNO100P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1"     | 25 | 10 | 159 | 33             | 78  | 24             | 79,40  | 15.7                        | 131 | 97             | 1/4" |
| DKOAVNO114P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1" 1/4 | 32 | 10 | 163 | 30             | 82  | 24             | 88,90  | 15.7                        | 162 | 97             | 1/4" |
| DKOAVNO112P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 1" 1/2 | 40 | 10 | 207 | 35             | 112 | 24             | 98,40  | 15.7                        | 180 | 126            | 1/4" |
| DKOAVNO200P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 2"     | 50 | 10 | 245 | 46             | 142 | 24             | 120,70 | 19                          | 210 | 157            | 1/4" |
| DKOAVNO212P | Automation system | Pneumatically actuated valves | Diaphragm valves | DK/CP DN 15÷65 | 2" 1/2 | 65 | 10 | 245 | 46             | 142 | 24             | 139,70 | 19                          | 250 | 157            | 1/4" |

# DKOAV/CP NO – Pneumatically actuated 2-way diaphragm valve

## PN 10 DN 15:65

The new compact and light piston actuator in PP-GR makes the DK/CP the ideal choice for applications requiring very frequent valve operation and a long valve lifetime.

- **High visibility graduated optical position indicator** protected by a transparent cap with a seal O-Ring
- **Compact and light piston in PP-GR**, ideal for heavy-duty applications in chemically aggressive environments with a **diaphragm perimeter containment system** that ensures the perfect compression of the rubber without any lateral expansion
- **Piston in high strength IXEF®**. The high quality finishing of the external surface guarantees perfect slidability over the seal and ensures a long working life without any actuator maintenance
- High strength **stainless steel stem** with double seal O-Ring. Floating **pin connection** between the actuator stem and diaphragm to prevent concentrated loads, improve the seal and extend its lifetime
- Actuator equipped with **6 independent cartridge springs** arranged radially to uniformly distribute the load on the piston
- **Dual function main gasket. Piston seal:** the gasket does not move but sits securely on the actuator cylinder instead of the piston. **External seal:** the gasket positioned above the threaded joint between the bonnet and cylinder ensures that the coupling is not stressed by the pressure inside the actuator
- Easy installation in confined spaces: **compressed air inlets with G 1/4" threaded adjustable connections** to enable alignment with the piping. PPGR connections prevent any risk of corrosion
- **New valve body internal design. Substantially higher flow coefficient** and lower pressure drops. The degree of efficiency reached has also enabled the **size and weight of the valve to be reduced. Adjustment linearity:** the internal profiles of the valve greatly improve its characteristic curve, allowing **extremely sensitive and precise adjustment** along the entire length of the shutter stroke
- Joint system for solvent welding (PVC-U and PVC-C only), for welding (PP-H and PVDF only), for threading and flanging
- **Optimised fluid dynamic design:** maximum output flow rate thanks to the optimised efficiency of the fluid dynamics that characterise the new internal geometry of the body
- **Internal operating components in metal totally isolated from the conveyed fluid** and external environment
- **Modularity of the range:** only 2 hand wheels and 4 diaphragms and bonnet sizes for 7 different valve sizes
- Non-salient hand wheel, equipped with a graduated optical indicator and protected by a transparent PVC cap with sealing O-ring
- Bonnet fastening screws in STAINLESS steel protected by PE plugs Absence of metal parts exposed to the external environment to prevent any risk of corrosion
- **New flanged bodies:** the new bodies, characterised by a monolithic flanged structure, are available in PVC-U, PVC-C, PP-H and PVDF. This design, free of joints between the body and flanges, greatly reduces mechanical stress and increases system performance
- **CDSA seal system** (Circular Diaphragm Sealing Angle) with a uniform distribution of the shutter pressure on the sealing membrane offers the following advantages:
  - Operating torque reduction
  - Reduced mechanical stress on all valve components (actuator, body and diaphragm)
  - Low risk of the accumulation of deposits, contamination or damage to the diaphragm due to crystallisation
  - Easy to clean valve interior