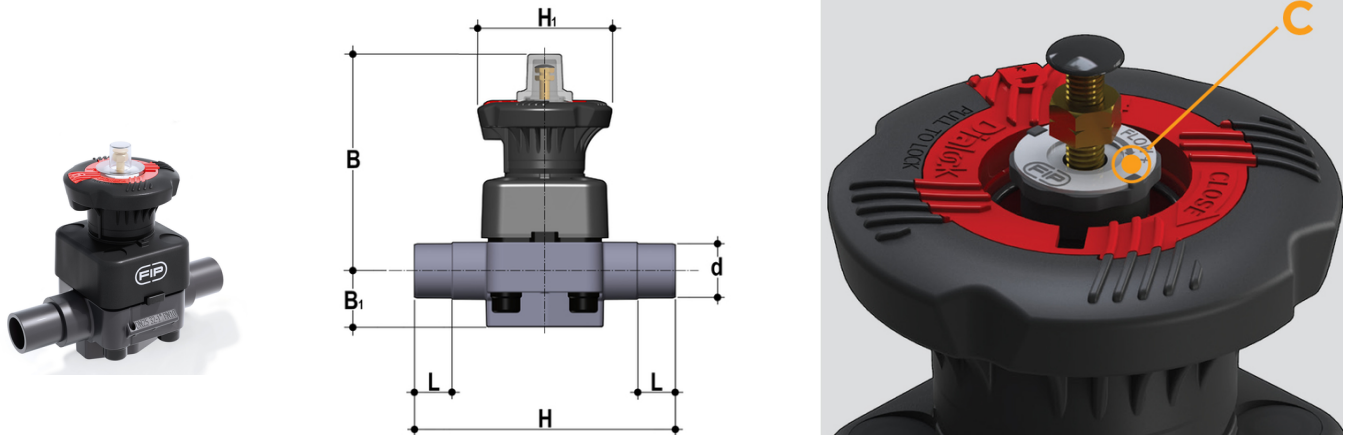


# DKLDV – DIALOCK® 2-way diaphragm valve DN 15:65

DIALOCK® diaphragm valve with stroke limiter and male ends for solvent welding, metric series.



## EPDM

| Reference | d  | DN | PN | B   | B <sub>1</sub> | H   | H <sub>1</sub> | L  | g    |
|-----------|----|----|----|-----|----------------|-----|----------------|----|------|
| DKLDV020E | 20 | 15 | 10 | 115 | 25             | 124 | 80             | 16 | 490  |
| DKLDV025E | 25 | 20 | 10 | 118 | 30             | 144 | 80             | 19 | 512  |
| DKLDV032E | 32 | 25 | 10 | 127 | 33             | 154 | 80             | 22 | 712  |
| DKLDV040E | 40 | 32 | 10 | 132 | 30             | 174 | 80             | 26 | 756  |
| DKLDV050E | 50 | 40 | 10 | 175 | 35             | 194 | 120            | 31 | 1600 |
| DKLDV063E | 63 | 50 | 10 | 200 | 46             | 224 | 120            | 38 | 2314 |
| DKLDV075E | 75 | 65 | 10 | 200 | 46             | 284 | 120            | 44 | 2425 |

## FKM

| Reference | d  | DN | PN | B   | B <sub>1</sub> | H   | H <sub>1</sub> | L  | g    |
|-----------|----|----|----|-----|----------------|-----|----------------|----|------|
| DKLDV020F | 20 | 15 | 10 | 115 | 25             | 124 | 80             | 16 | 490  |
| DKLDV025F | 25 | 20 | 10 | 118 | 30             | 144 | 80             | 19 | 512  |
| DKLDV032F | 32 | 25 | 10 | 127 | 33             | 154 | 80             | 22 | 712  |
| DKLDV040F | 40 | 32 | 10 | 132 | 30             | 174 | 80             | 26 | 756  |
| DKLDV050F | 50 | 40 | 10 | 175 | 35             | 194 | 120            | 31 | 1600 |
| DKLDV063F | 63 | 50 | 10 | 200 | 46             | 224 | 120            | 38 | 2314 |
| DKLDV075F | 75 | 65 | 10 | 200 | 46             | 284 | 120            | 44 | 2425 |

## PTFE



# DKLDV – DIALOCK® 2-way diaphragm valve DN 15:65

| Reference | d  | DN | PN | B   | B <sub>1</sub> | H   | H <sub>1</sub> | L  | g    |
|-----------|----|----|----|-----|----------------|-----|----------------|----|------|
| DKLDV020P | 20 | 15 | 10 | 115 | 25             | 124 | 80             | 16 | 490  |
| DKLDV025P | 25 | 20 | 10 | 118 | 30             | 144 | 80             | 19 | 512  |
| DKLDV032P | 32 | 25 | 10 | 127 | 33             | 154 | 80             | 22 | 712  |
| DKLDV040P | 40 | 32 | 10 | 132 | 30             | 174 | 80             | 26 | 756  |
| DKLDV050P | 50 | 40 | 10 | 175 | 35             | 194 | 120            | 31 | 1600 |
| DKLDV063P | 63 | 50 | 10 | 200 | 46             | 224 | 120            | 38 | 2314 |
| DKLDV075P | 75 | 65 | 10 | 200 | 46             | 284 | 120            | 44 | 2425 |

# DKLDV – DIALOCK® 2-way diaphragm valve DN 15:65

- **High visibility graduated optical position indicator** protected by a transparent cap with seal O-Ring
- **Customisation plate:** the customisation lets you identify the valve on the system according to specific needs
- **DIALOCK® SYSTEM:** innovative handwheel with a patented immediate and ergonomic operating locking device that allows it **to be adjusted and locked in over 300 positions**
- **Handwheel and bonnet in** high mechanical strength and chemically resistant **PP-GR**, providing full protection by isolating all internal metal parts from contact with external agents
- **Floating pin connection** between the control screw and diaphragm to prevent concentrated loads, improve the seal and extend its lifetime
- **New design of valve body interior:** **substantially increased flow coefficient** and reduced pressure drop. 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 also greatly improve its characteristic curve, resulting in **extremely sensitive and precise adjustment** along the entire stroke of the shutter
- **Valve anchoring** bracket **integrated in the body**, with threaded metal inserts allowing **simple panel or wall mounting** using the PMDK mounting plate (supplied as an accessory)
- Connection system for solvent weld, threaded and flanged joints
- **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 components in metal, totally isolated from the fluid** and external environment
- **Modularity of the range:** only 2 handwheel and 4 diaphragm and bonnet sizes for 7 different valve sizes
- Non-rising handwheel that stays at the same height during rotation, equipped with a graduated optical indicator protected by a transparent PVC cap with seal O-Ring
- Bonnet fastening screws in stainless steel protected against the external environment by PE plugs. Absence of metal parts exposed to the external environment to prevent any risk of corrosion.
- **CDSA** (Circular Diaphragm Sealing Angle) system that, thanks to the uniform distribution of shutter pressure on the diaphragm seal, offers the following advantages:
  - reduction in the tightening torque of the screws fixing the actuator to the valve body
  - reduced mechanical stress on all valve components (actuator, body and diaphragm)
  - easy to clean valve interior
  - low risk of the accumulation of deposits, contamination or damage to the diaphragm due to crystallisation
  - operating torque reduction