

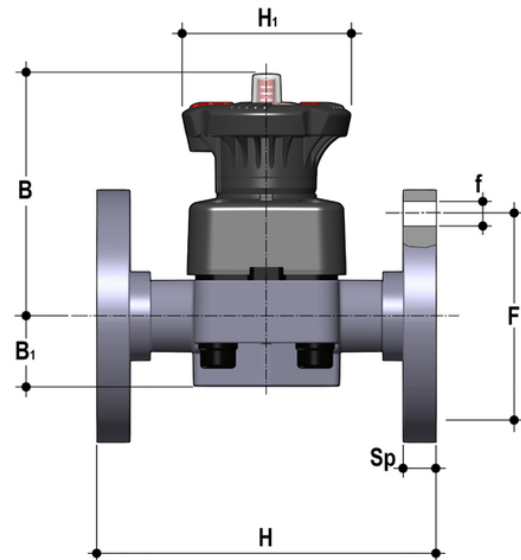
# DKOAV – DIALOCK® 2-way diaphragm valve DN 15:65

DIALOCK® diaphragm valve with flanged monolithic body, drilled ANSI B16.5 cl. 150 #FF.

The DK DIALOCK® diaphragm valve is particularly suitable for shutting off and regulating abrasive or dirty fluids. The new internal geometry of the body increases flow coefficient, reduce pressure drop and allows a sensitive and precise adjustment along the entire stroke of the shutter. The DK is extremely compact and very light. The innovative handwheel is equipped with a patented immediate and ergonomic operating locking device that allows it to be adjusted and locked in any position.

- **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

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## EPDM

Reference	d	DN	PN	B	B <sub>1</sub>	F	product.detail.attribute.Øf	H	H <sub>1</sub>	Sp	U	g
DKOAV012E	1/2"	15	10	102	25	60.3	14	108	80	13,5	4	925
DKOAV034E	3/4"	20	10	105	30	70	15.7	120	80	13,5	4	990
DKOAV100E	1"	25	10	114	33	80	15.7	131	80	13,5	4	1054
DKOAV114E	1" 1/4	32	10	119	30	89	15.7	162	80	14	4	1272
DKOAV112E	1" 1/2	40	10	149	35	99	15.7	180	120	16	4	2164
DKOAV200E	2"	50	10	172	46	121	19	210	120	16	4	3009
DKOAV212E	2" 1/2	65	10	172	46	140	19	250	120	21	4	3610

## FKM

Reference	d	DN	PN	B	B <sub>1</sub>	F	product.detail.attribute.Øf	H	H <sub>1</sub>	Sp	U	g
DKOAV012F	1/2"	15	10	102	25	60.3	14	108	80	13,5	4	925
DKOAV034F	3/4"	20	10	105	30	70	15.7	120	80	13,5	4	990
DKOAV100F	1"	25	10	114	33	80	15.7	131	80	13,5	4	1054
DKOAV114F	1" 1/4	32	10	119	30	89	15.7	162	80	14	4	1272
DKOAV112F	1" 1/2	40	10	149	35	99	15.7	180	120	16	4	2164
DKOAV200F	2"	50	10	172	46	121	19	210	120	16	4	3009
DKOAV212F	2" 1/2	65	10	172	46	140	19	250	120	21	4	3610

All information subject to change.

Please contact us on <https://www.aliaxis.co.uk/get-in-touch> for further informations

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

## PTFE

Reference	d	DN	PN	B	B <sub>1</sub>	F	product.detail.attribute.Øf	H	H <sub>1</sub>	Sp	U	g
DKOAV012P	1/2"	15	10	102	25	60.3	14	108	80	13,5	4	925
DKOAV034P	3/4"	20	10	105	30	70	15.7	120	80	13,5	4	990
DKOAV100P	1"	25	10	114	33	80	15.7	131	80	13,5	4	1054
DKOAV114P	1" 1/4	32	10	119	30	89	15.7	162	80	14	4	1272
DKOAV112P	1" 1/2	40	10	149	35	99	15.7	180	120	16	4	2164
DKOAV200P	2"	50	10	172	46	121	19	210	120	16	4	3009
DKOAV212P	2" 1/2	65	10	172	46	140	19	250	120	21	4	3610

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