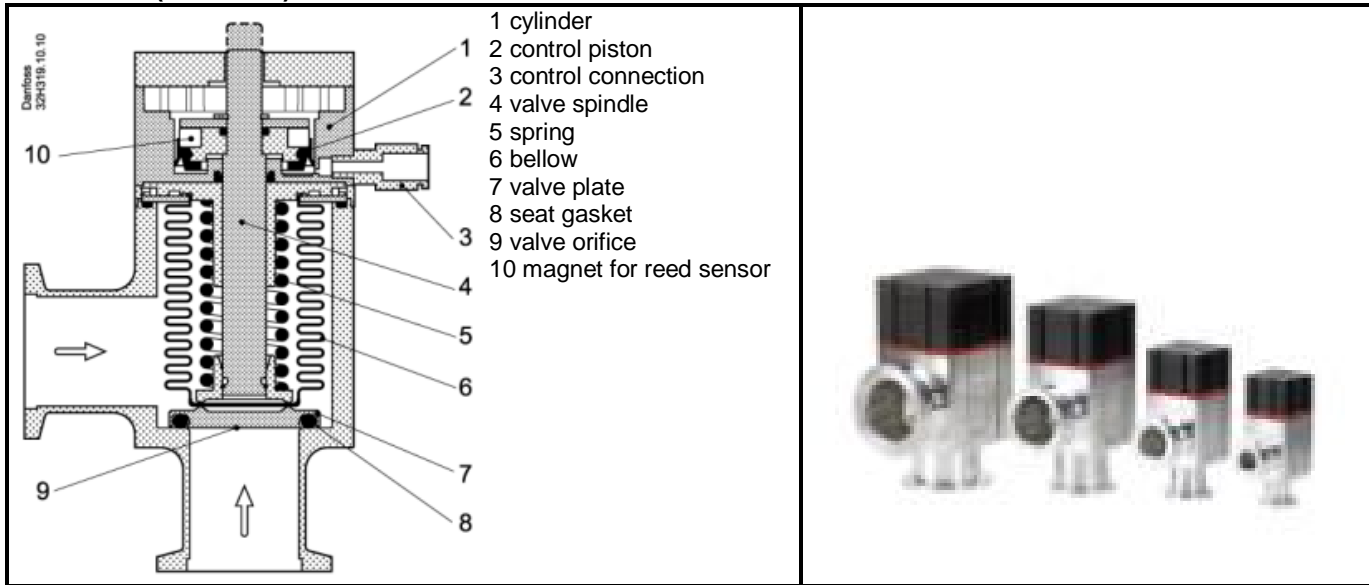


1.1.3. PNEUMATISCH BETÄTIGT (pneumatically operated)

FUNKTION (function)



Control connection un-pressurized (valve closed)

When the air pressure to the control connection (3) is disconnected, the cylinder (1) is un-pressurized and the valve is kept close by the spring (5), which presses the valve plate (7) with the seat gasket (8) against the valve orifice (9). The valve will be closed as long as the control pressure is disconnected.

The magnet (10) built in at the control piston makes it possible to indicate the closed position of the valve with an optional position sensor

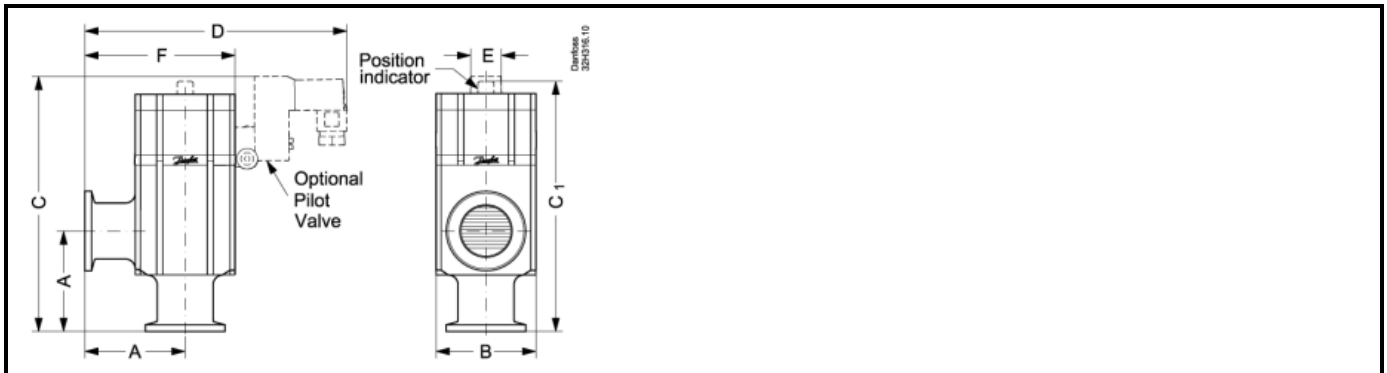
Control connection pressurized (valve open)

When the air pressure to the control connection (3) is connected, the cylinder (1) is pressurized and thus the pressure at the control piston (2) moves the valve spindle (4).

The force from the spindle is via the bellow (6) applied to the valve plate (7), which together with the seat gasket (8) is raised from the valve orifice (9). Hereby the valve opens with or against the pressure of the medium. The valve will be open for as long as the control pressure is connected. The magnet (10) built in at the control piston makes it possible to indicate the open position of the valve with an optional position sensor.

As an additional feature the open and closed valve position is visually indicated by the moving valve spindle at the top of the valve.

TECHNISCHE DATEN



		KF 16	KF 25	KF 40	KF 50
A (mm)		40	50	65	70
B (mm)		40	50	65	80
C (mm)		115	128	151	159
C1 (mm)		108	125	162	181
D (mm)		117	131	154	167
E (mm)		15	15	15	15
F (mm)		60	75	97	110
Gewicht (weight) [kg]	Alu	0.26	0.48	0.94	1.64
	SS	0.50	0.88	1.67	2.94
Differential Pressure	Closing	4 bar	4 bar	2 bar	2 bar
	opening	2 bar	2 bar	2 bar	1.2 bar
Operating pressure range		1x10 ⁻⁸ mbar to 5 bar		1x10 ⁻⁸ mbar to 3 bar	
Time to open		100 ms	100 ms	200 ms	200 ms
Time to close		200 ms	200 ms	200 ms	200 ms
Supply pressure		4 – 7 bar	4 – 7 bar	4 – 7 bar	4 – 7 bar
Molecular conductance		5.5 l/s	14.5 l/s	49.5 l/s	77 l/s
Seal material		FKM	FKM	FKM	FKM
Endurance		> 10.000.000 cycles		> 5.000.000 cycles	
Type of actuator		Pneumatically, direct controlled or by optional solenoid valve kit			
Actuator connection		M5 for air hose fitting			
Position indicator	Standard	Visual			
	Optional	Proximity (reed) sensor			
ALUMINIUM (aluminium)	ORDERNR	032H7204	032H7205	032H7206	032H7207
	EURO	216,00	259,00	278,00	342,00
EDELSTAHL (stainless steel)	ORDERNR	032H7216	032H7217	032H7218	032H7219
	EURO	270,00	327,00	381,00	475,00

OPTION (options)

Please, specify at order		ORDERNR	EURO
Option 1	Solenoid valve kit		
	24 VDC direct NC	042U2221	39,00
	24 VAC direct NC	042U2222	39,00
	115 VAC direct NC	042U2223	39,00
Option 2	230 VAC direct NC	042U2224	39,00
	Position Sensor 12 – 27 VDC	042U2226	37,00