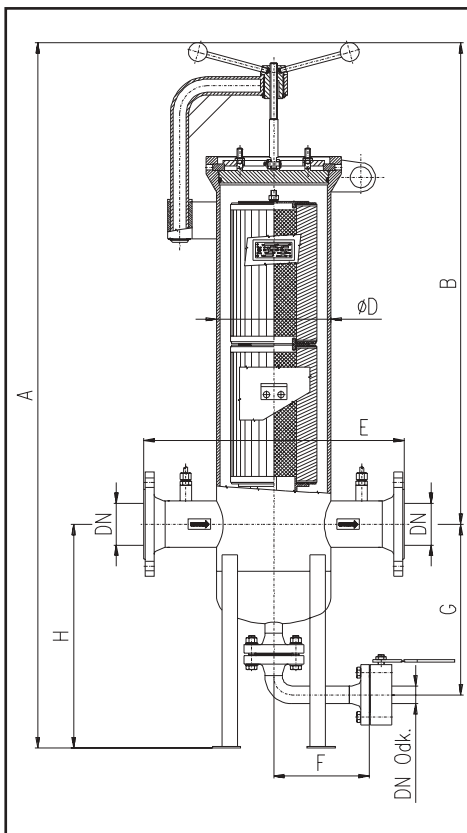


## DUST FILTER - LARGE CAPACITY DESIGN



### USAGE

The dust filter serves to a separation of solid dust particles from a gaseous working fluid. The working fluid can be natural gas, propane, butane, propane-butane, air and other non-aggressive gases. A structural design of the filter represents an advantageous combination of a gravitation filter with a filter equipped with exchangeable filter elements of polyester textile with a metallic braid. The filter is equipped with a suspension arm for an easy handling with a filter cover.

The exchangeable filter element is capable to catch impurity particles with dimensions 3-5  $\mu\text{m}$ . The filter can be equipped with:

- Type A - The difference manometer WIKA, 2 pcs of the ball cock
- Type B - The difference manometer WIKA, the 5-way valve set
- Type C - The difference manometer DMD 331 and the reading device AUF 2001, a 5-way valve set
- An additional on the request according to the client

### TYPES / DN / PN / TEMPERATURES / EXECUTION

C26 643 416	DN 50 ÷ 200	PN 16	-10 to 70 °C
C26 643 440	DN 50 ÷ 200	PN 40	-10 to 70 °C

### CONNECTION

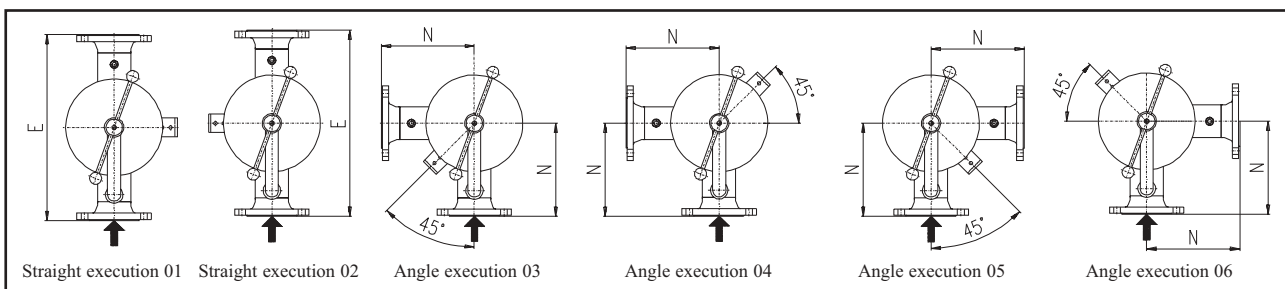
Connecting dimensions are carried out according to the standards:

DIN 2633; DIN 2635; ANSI B16.5 CLASS 150; ANSI B16.5 CLASS 300

The filter is produced in a straight and an angle execution with the possibility of a choice of the position orientation of a measuring device.

### INSTALLATION

The filter is mounted only into a horizontal piping so that a filter axis is vertical, with a blow-down manifold at the bottom. A direction of flow is designated by arrows on filter throats. The filter must be safe fastened onto the frame or base by means of webs in such a way that the piping would not carry any additional stress. Before the mounting the inlet piping must be free of contaminants, preserving agents, a rust and scales after welding which could cause clogging or damaging of the filter elements. Over the filter there must be kept a free space that is necessary for an exchange of the filter elements.



### MATERIAL

Part name	C26 643 416, C26 643 440		
	ČSN/EN	DIN	ASTM
Filter body	11 523/Fe510	St52	Gr. 15180
Dished bottom	11 416 / P265GH	H II	Gr. A
Filter element	Polyester textile with a metallic braiding	Polyester textile with a metallic braiding	Polyester textile with a metallic braiding
Cover	11 416 / P265GH	H II	Gr. A

### DIMENSION TABLE

DN	A	B	Ø D	E	N	F	G	H	DN <sub>DISC</sub>	Element type	Element amount	Volume [l]	Filter area [m <sup>2</sup> ]
50	1425	925	219	500	250	185	327	500/600	25	G2	2	27	0,94
65	1425	925	219	500	250	185	327	500/600	25	G2	2	27	0,94
80	1425	925	219	500	250	185	327	500/600	25	G2	2	28	0,94
100	1498	998	273	600	300	185	372	500/600	25	G2,5	2	49	1,45
125	1498	998	273	600	300	185	372	500/600	25	G2,5	2	53	1,45
150	1727	1177	324	800	400	185	423	550/650	25	G3	2	90	1,9
200	2055	1405	407	1000	500	185	504	650/750	25	G4	2	178	2,9