



Micro-filters

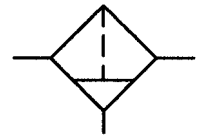
Sizes 1 to 4

673 to 696

G 1/4 to G 1

0.01 µm

Efficiency 99,999%



Characteristics

Type	673	674	675
Port	G 1/4 (red.)	G 3/8	G 3/8
Size	1	1	2
Weight [g]	330	370	600
Type	685	695	696
Port	G 1/2	G 3/4 (red.)	G 1
Size	3	4	4
Weight [g]	930	1920	1820
Type of construction	Micro-filter 0.01 µm		
	Special versions on request		
Input pressure p1	Max. 16 bar with plastic bowl Max. 25 bar with metal bowl		
Input pressure p1 with fully-automatic drain	Max. 16 bar Min. 1.5 bar		
Mounting position	Vertical, drain plug at bottom		
Mounting type	Bracket		
Medium temperature	Max. 60 °C (other temperature		
Ambient temperature	Max. 60 °C ranges on request)		
Filter rating	0.01 µm		
Bowl capacity	Max. level = bottom edge of micro-filter insert		
Condensate drain	Manual (673, 674, 675, 685) Semi-automatic (695, 696) Fully-automatic on request		

Ordering information

Type + Port Options

685 *

Order example: **685 K-HA**

Port	
673	G 1/4 (red.)
674	G 3/8
675	G 3/8
685	G 1/2
695	G 3/4 (red.)
696	G 1
Options	
K-HA	Plastic bowl (673, 674, 675, 685)
K	Plastic bowl (695, 696)
M	Metal bowl
S	Bowl guard

Please use the suffix »A« to order fully-automatic drain

Description

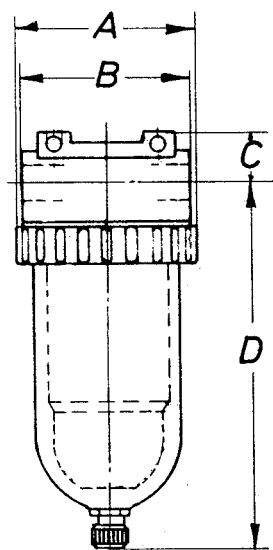
- Standard design
- Flow direction indicated by arrows
- Entry in direction of arrow
- Filter rating 0.01 µm
- Air flow through the filter element from the inside to the outside
- A standard filter should always be connected upstream

Applications

- All applications with particularly strict compressed air purity requirements.

Important

→ When the pressure system is started up again (e.g. after the element has been replaced), the pressure should be built up gradually to prevent irreparable damage to the filter element



Dimensions [mm]

Port	Dimensions				
	A	B	C	D (Polycarbonate Bowl)	D (Metal bowl)
G 1/4	48.0	38.0	14.0	131.6	133.5
G 3/8	48.0	38.0	14.0	131.6	133.5
G 3/8	70.0	50.0	16.0	145.7	159.0
G 1/2	79.0	50.0	18.0	168.4	171.0
G 3/4 (red.)	133.0	134.0	36.0	206.0	206.0
G 1	133.0	120.0	36.0	206.0	206.0

Materials

Part	Material
Head piece (body)	Z 410
Filter element	Borosilicate - Al
Condensate bowl	Polycarbonate
O-rings	NBR

Flow rates

Output pressure p2	QN m³/h	Port	Size	6
Nominal flow ($\Delta p = 1$ bar)		G 1/4	1	380
		G 3/8	1	380
		G 3/8	2	720
		G 1/2	3	1250
		G 3/4	4	7000
		G 1	4	7000

Accessories

Designation	Order No.
Mounting bracket 673 + 674	H 800
Filter element	360/1
Plastic bowl	640/2-HA
Metal bowl	640/12
Bowl guard, incl. threaded ring	SK 01
Mounting bracket 675	H 801
Filter element	360/2
Plastic bowl	650/1-HA
Metal bowl	650/11
Bowl guard, incl. threaded ring	SK 02
Mounting bracket 685	H 801
Filter element	360/3
Plastic bowl	650/2-HA
Metal bowl	650/12
Bowl guard, incl. threaded ring	SK 03
Mounting bracket 695 + 696	H 803
Filter element	360/4
Plastic bowl	696/3-HA
Metal bowl, incl. threaded ring	650/13
Bowl guard, incl. threaded ring	SK 04
Fully automatic drain valve (all sizes)	65/0-N