

## Check valves for vacuums

up to 25 bar

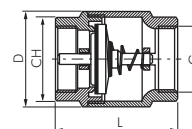
**Materials:** Housing: Brass, spring: Stainless steel, seal: NBR

**Temperature range:** -20°C to max. +100°C

**Operating range:** Water (no steam), neutral, gaseous and non-aggressive, liquid media, mineral oils, compressed air, low vacuum

Type	G	L	D	CH	PN	Open. pressure (approx.)
RUCK 38 VU	G 3/8"	55.0	34.5	SW 23	25 bar	0.02 bar
RUCK 12 VU	G 1/2"	58.5	34.5	SW 27	25 bar	0.02 bar
RUCK 34 VU	G 3/4"	65.0	41.5	SW 33	25 bar	0.02 bar
RUCK 10 VU	G 1"	74.5	48.0	SW 40	25 bar	0.02 bar
RUCK 114 VU	G 1 1/4"	83.0	60.5	SW 50	18 bar	0.02 bar
RUCK 112 VU	G 1 1/2"	93.0	71.0	SW 55	18 bar	0.02 bar
RUCK 20 VU	G 2"	101.0	87.0	SW 70	18 bar	0.02 bar
RUCK 212 VU	G 2 1/2"	122.0	120.0	SW 87	12 bar	0.02 bar
RUCK 30 VU	G 3"	141.5	140.0	SW 101	12 bar	0.01 bar
RUCK 40 VU	G 4"	158.5	172.5	SW 128	12 bar	0.01 bar

For vacuum



**TIP** The optimum protection of your vacuum generator from soiling!

## Vacuum filters

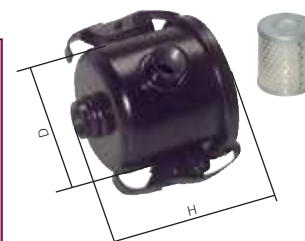
Suction performance 10 to 680 m³/h

**Suitable:** These vacuum filters are used particularly in vacuum generators (pumps and blowers) with design-dependent sensitivity.

**Materials:** Housing: Steel sheet painted black, filter insert: Special paper in a double housing made from steel sheet (may be blown out in event of dried dirt)

**Pore width:** 5 - 7 µm - An extremely high separation efficiency is realised due to the large surface of the filter paper!

Suction performance					Type
Type	Thread	(m³/h)	H	Ø D	filter elements
F 38 VU	G 3/8"	10	88	72	F 38 VU E
F 12 VU	G 1/2"	20	93	96	F 12 VU E
F 34 VU	G 3/4"	50	93	96	F 34 VU E
F 10 VU	G 1"	70	96	120	F 10 VU E
F 114 VU	G 1 1/4"	150	160	162	F 114 VU E
F 112 VU	G 1 1/2"	200	197	160	F 112 VU E
F 20 VU	G 2"	300	258	185	F 20 VU E
F 30 VU	G 3"	680	270	185	F 30 VU E



## Vacuum filters Multifix model series 2

**Input pressure:** -0.965 to 0 bar

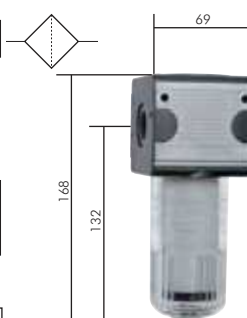
**Condensate draining:** None

**Pore width in the filter:** 3 µm

**ATEX:** Operating material without its own potential source of ignition in accordance with Directive 2014/34/EU

**Optional:** Version with protective cage -S, version with metal bowl and inspection tube -M

Type	Thread	Mounting brackets	Coupling kit	Replace. filter
FKV 33	G 1/2"	W 2	KP 2	V 38/100



## Vacuum filters for pipe installations

**Suitable:** This filter is inserted directly in the hose behind the consumer.

**Materials:** Housing: Plastic, filter element: Paper

**Temperature range:** -10°C to max. +80°C

**Pore width:** 10 µm

**Supply volume:** The filter is delivered fully along with the fixing clamp.

Type	Hose Ø	Type	Type
With push-in fittings		replace. filter	fixing clamps
FIQS 4	4 (external)	FIQS FILTER 1	FIQSK 1
FIQS 6	6 (external)	FIQS FILTER 1	FIQSK 1
FIQS 8	8 (external)	FIQS FILTER 2	FIQSK 2
FIQS 10	10 (external)	FIQS FILTER 2	FIQSK 2
One-way filters without clips		---	---
FVU 6	6 (internal)		



type FIQS



type FVU 6

## Vacuum regulators with external leakage

4 - 70 m³/h

**Suitable:** With a preset vacuum level this valve breathes the atmospheric air and prevents the vacuum level from exceeding beyond the desired vacuum value. It is used to adjust a vacuum system with the same operating vacuum. The setting is done using a fine thread of the valve and the mechanical opening due to the spring load.

Type brass nickel-plated	Thread	Pressure regulator range	Suction performance (m³/h)	L	SW
R 18 VU B	G 1/8"	-1 to -0.33 bar	4	45	12
R 12 VU B	G 1/2"	-1 to -0.33 bar	20	57	24
R 34 VU B	G 3/4"	-1 to -0.33 bar	40	60	30
R 10 VU B	G 1"	-1 to -0.33 bar	70	65	35



The vacuum can also be controlled when there is a permanent leakage in the vacuum system. This can be achieved by one of our needle valves (see page 294).

**TIP** These valves are generally delivered with coils and plugs!

