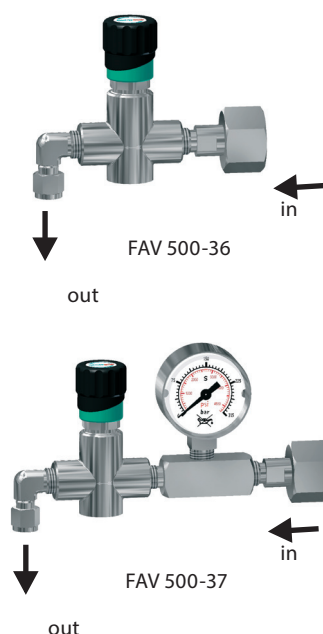


CYLINDER CONNECTION VALVES FAV 500-36/-37



Valve with cylinder connection, for inert, reactive, flammable and oxidizing gases and gas mixtures, no oxygen, purity max. 6.0, inlet pressure 50 bar / 725 psi

SPECIAL FEATURES

- Cylinder connection valve in diaphragm format
- Precise regulation of gas flow
- Hardened stainless steel cone for longer life span
- Optimum purge conditions through minimised dead space

DESCRIPTION

A new generation of diaphragm valves was developed with the series MVR-A 500, which are characterized through its outstanding functional safety and high leak-tightness. This layout as cylinder valve FAV 500 is available with or without a gauge.

APPLICATION

As cylinder valve for gas cylinders with a low cylinder pressure, less than 50 bar, for the adjustment of the gas flow.

TECHNICAL DATA

Body:	Stainless steel 1.4404 specially cleaned and electro-polished or brass
	CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Body seals:	hardened metal (Stainless steel), SS-cone hardened (Brass)
Diaphragm:	Hastelloy, Elgiloy
Leakage rate:	< 1×10 ⁻⁶ mbar l/s He (seats)
	< 1×10 ⁻⁹ mbar l/s He (outboard)
Nominal width:	DN2
Kv-value:	< 0.02
Vacuum capable:	yes
Filter:	100 µm on inlet and outlet
Weight:	approx. 500 g (Type -36), 800 g (Type -37)
Dimensions (w×h×d):	approx. 120×90×40 mm (Type -36)
	approx. 180×100×40 mm (Type -37)
Operation:	approx. 10 turns
Outlet:	Tube fitting 6 mm
Cylinder connection sizes :	see chapter 5

ORDER CODE

Type	Material	Upstream pressure	Inlet	Outlet	Gas type
FAV 500-36	BC	E	DIN	CL6 BC	GAS
FAV 500-36	BC = brass	E = 50 bar/720 psi	DIN	CL6 (standard)	Please
FAV 500-37	chrome-plated		ANSI	CL8*	specify
	SS = stainless		AFNOR	CL10	(no O2)
	steel		NBN	CL12	
			BS 341	BC = brass	
			CGA	chrome-plated	
			NEN	SS = stainless steel	
			UNI		

* Outlet: CL6 = tube fitting for tube 6 mm, (0 = without). Please note the "burst rate chart" when choosing the tube fittings in chapter 5.