

**Operating pressure max. 225 bar, 230 bar
Ratio 1:32, 1:33**

Compressed air from the mains is converted into hydraulic high pressure by these pressure converters. Without this converting facilities, many clamping problems cannot be solved at all or only at high costs.

Technical characteristics

- The large oil tank automatically supplies the system with fresh oil according to the needs.
- Hydraulic piston with guide rings.
- The backstroke is produced by spring retraction. This offers the advantage of low air consumption and a single valve system.
- The moving parts are made of corrosion protected materials.

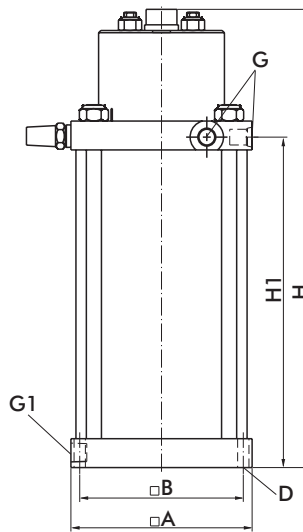
Contrary to hydraulic pumps, the maximum output of the pressure converter is restricted to one stroke. The amount of oil required per stroke is calculated as follows:

Cylinder number x piston surface x stroke

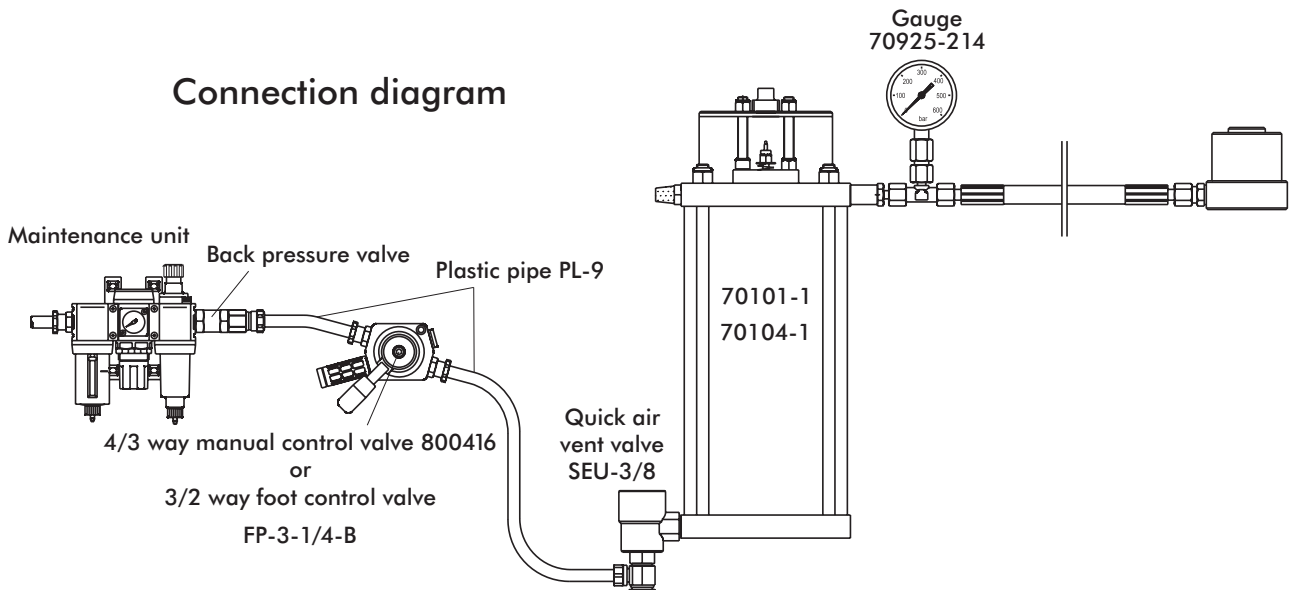
ATTENTION: A reserve of 20% should be taken into account!

Included accessories

- Connecting nipple R-1/4-1/4NPT (Air side)
- Adapter SAE4-1/4NPT (Oil side)
- Straight screw connection D8L-1/4NPT (Oil side)



Connection diagram



model no.	Ratio	Air pressure		Air consumption	max. operating	Oil quantity/ stroke	oil volume (Reservoir)	A	B	D	H	H1	Connection		Weight
		min.	max.	at 6 bar	max.								Oil side	Air side	
		[bar]	[bar]	[l/Hub]	[bar]	[cm ³]	[cm ³]	[mm]	[mm]	[mm]	[mm]	[mm]	G	G1	[kg]
70101-1	1:33	3	7	5	230	16	170	115	103,2	7,2	295	210	SAE 4	1/4NPT	4.5
70104-1	1:32	3	7	16	225	64	690	165	146	8,6	435	335	SAE 4	1/4NPT	11

Operating pressure max. 210 bar
Ratio 1:32

Compressed air from the mains is converted into hydraulic high pressure by these pressure converters. Without this converting facilities, many clamping problems cannot be solved at all or only at high costs.

Technical characteristics

- Metal oil tank with oil level indicator
- Fast backstroke by the 2. air line
- Works in vertical and horizontal position

CUSTOMER BUILD VERSIONS (E. G. HIGHER PRESSURE, HIGHER OIL QUANTITY/STROKE) POSSIBLE.

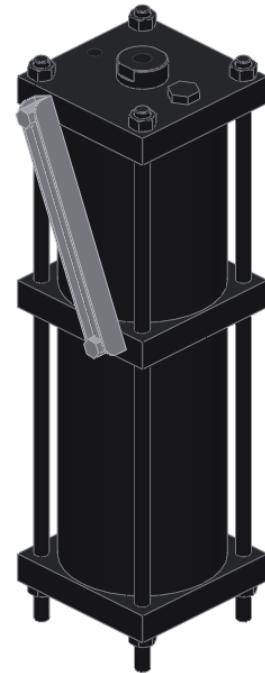
Contrary to hydraulic pumps, the maximum output of the pressure converter is restricted to one stroke. The amount of oil required per stroke is calculated as follows:

Cylinders number x piston surface x stroke

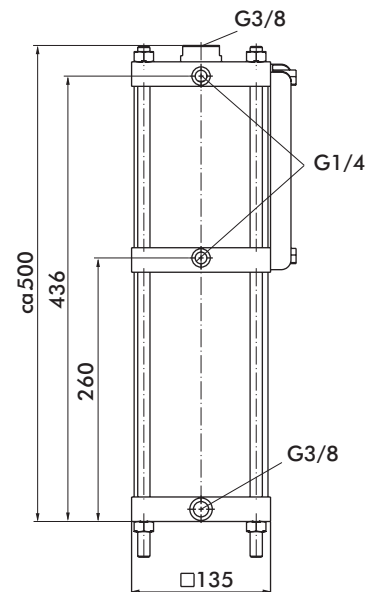
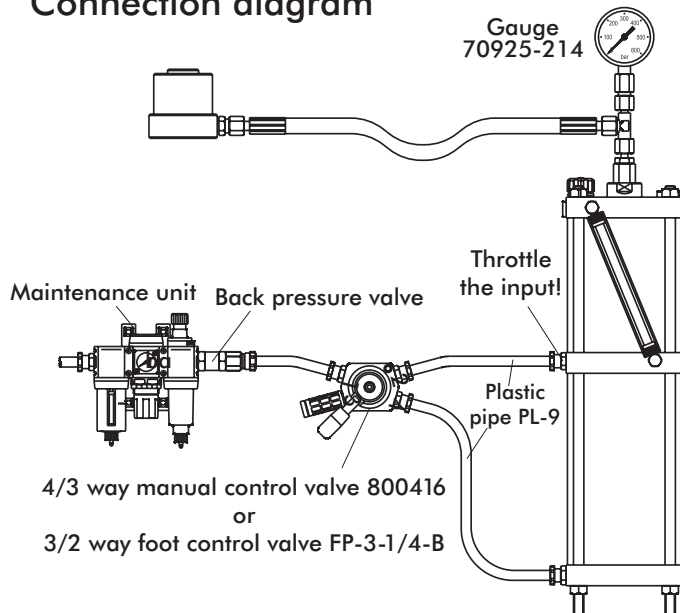
ATTENTION: A reserve of 20% should be taken into account!

Included accessories

- Screw connection CK-1/4-PK9 (Air side)
- Screw connection CK-3/8-PK9 (Air side)
- Adapter GWR-3/8-1/4 (Oil side)
- Screw connection D8L-1/4 (Oil side)



Connection diagram



model no.	Ratio	Air pressure		Air consumption	Operating pressure		Oil quantity/ Oil volume		A [mm]	H [mm]	H1 [mm]	H2 [mm]	Connection			Weight [kg]
		min [bar]	max. [bar]	at 6 bar [l/stroke]	max. [bar]	stroke [cm ³]	(reservoir) [cm ³]	Oil side G					Air side G1	Air side G2	Air side G3	
70104-2	1:30	3	7	16	210	64	690	135	ca. 500	260	436	G3/8	G1/4	G1/4	G3/8	11