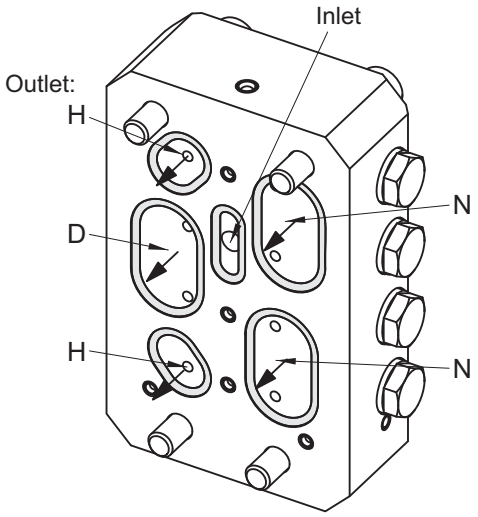
Technical description

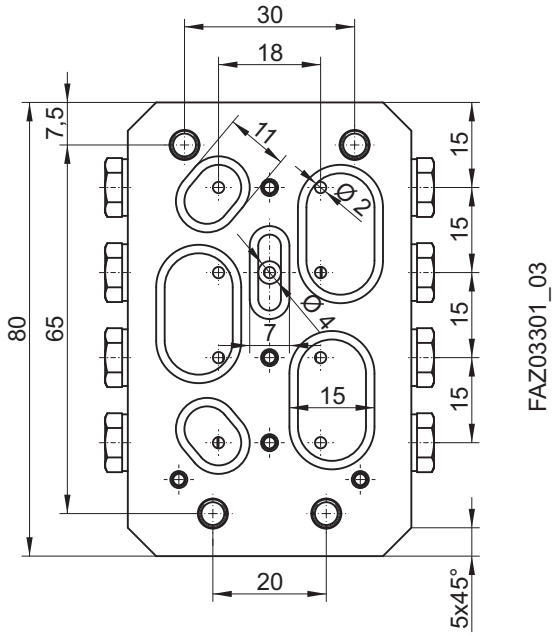
The progressive distributors MX-B have a hydraulic sequential control. This ensures a constant output rate. The pistons of the progressive distributor are controlled by the supplied lubricant so that lubricant comes out of the outlets inevitable and in sequence. If there are any error of the lubricant flow, like blocking of lube points or lube lines, the distributor itself blocks.

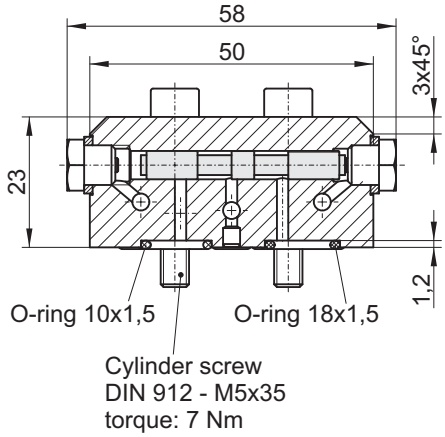
The progressive distributor MX-B are block distributors with an extremely compact and robust construction as all metering pistons are inside a steel housing.

The doubled metering volume at outlets **D** and **N** is realized by combining two outlets.



Dimensional drawing:





Technical data

Operating pressure inlet:	15 - 300 bar
Operating pressure outlet:	0 - 285 bar
Temperature range:	-35 °C to +100 °C
Metering volume:	oil - fluid grease - grease up to NLGI-cl. 2
Viscosity range:	< 15 cSt
Volume flow:	min. 2 cm³/min (for grease: min. 0,5 cm³/min)
perm. differential pressure at two opposite outlets :	max. 100 bar
Material:	steel, galvanized

Table of metering volume:

Description of outlets	Metering volume (mm³/stroke)
H	75
D	150
N	150

Table of order no.:

No. of pistons	Order-no. MX-B
4	39870111

Subject to alterations!

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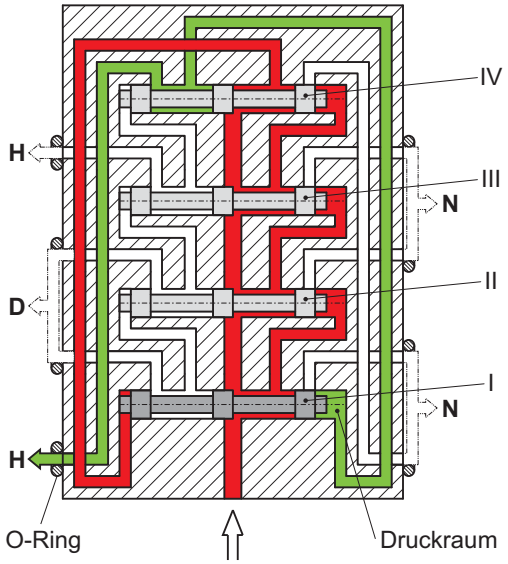
Functional description

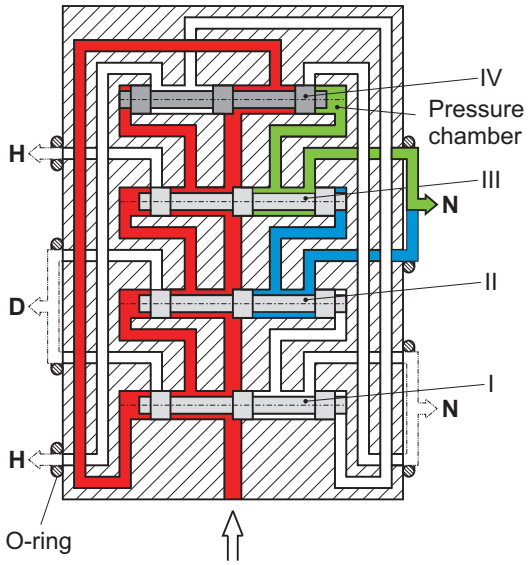
= pressure ducts
= already supplied
= following metering stroke

Figure A



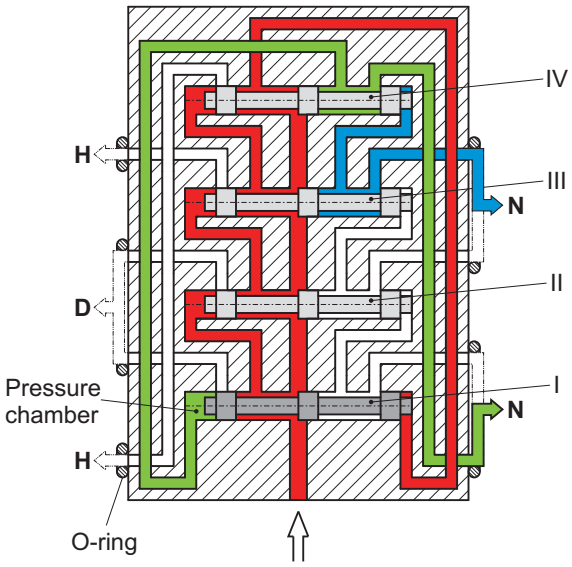
Supplied lubricant flows via the inlet of the distributor fig. A to the piston (I). The piston (I) moves to the right and lubricant is pressed out of the right pressure chamber towards outlet **H**.

Figure B



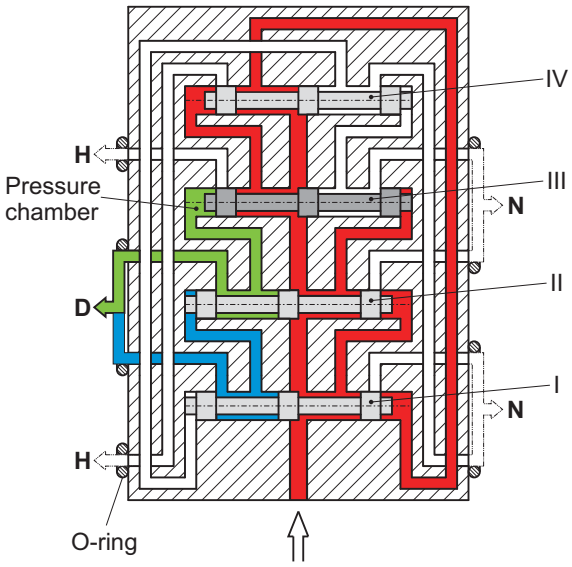
Afterwards the metering pistons (II), (III) and (IV) are moved in sequence (fig. B) and lubricant is supplied to the upper and lower outlet **N**.

Figure C



After the piston (IV) moved lubricant is lead to the right side of the piston (I) (Fig. C) and supplied to the left pressure chamber towards outlet **N**.

Figure D



Afterwards the metering codes (II) and (III) are moved (fig. D) and lubricant is supplied to outlet **D**.

When piston (IV) has moved, a new lubrication cycle of the progressive distributor begins (see fig. A). This described function repeats until lubricant is supplied to the progressive distributor.

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