21. PUMPING ELEMENTS

21.1 ORDERING CODES

MINI-MAX pumping elements are divided into two categories: those used to lubricate single points, featuring very small flow rates and reduced dimensions, and those used to supply progressive metering devices that are, in turn, differentiated by fixed or adjustable flow rates. In addition to having a considerably superior flow rate, they are differentiated by the fact that they have a safety valve that automatically discharges excess pressure over 200 bar.
Regardless of the model, the initial fittings must be ordered separately.

PUMPING ELEMENTS CODE SINGLE UTILITY	FLOW RATE mm³ PER CYCLE	PUMPING ELEMENT CODE FIXED METERING DEVICE	FLOW RATE MM³ PER CYCLE	PUMPING ELEMENT CODE ADJUSTABLE METERING DEVICE	FLOW RATE MM³ PER CYCLE
90.940.0.05	5	00.900.0	120	00.900.3	0 - 120
90.940.0.10	10				
90.940.0.15	15				
90.940.0.25	25				
90.940.0.50	50				

21.2 INSTALLATION - PUMPING ELEMENT REMOVAL

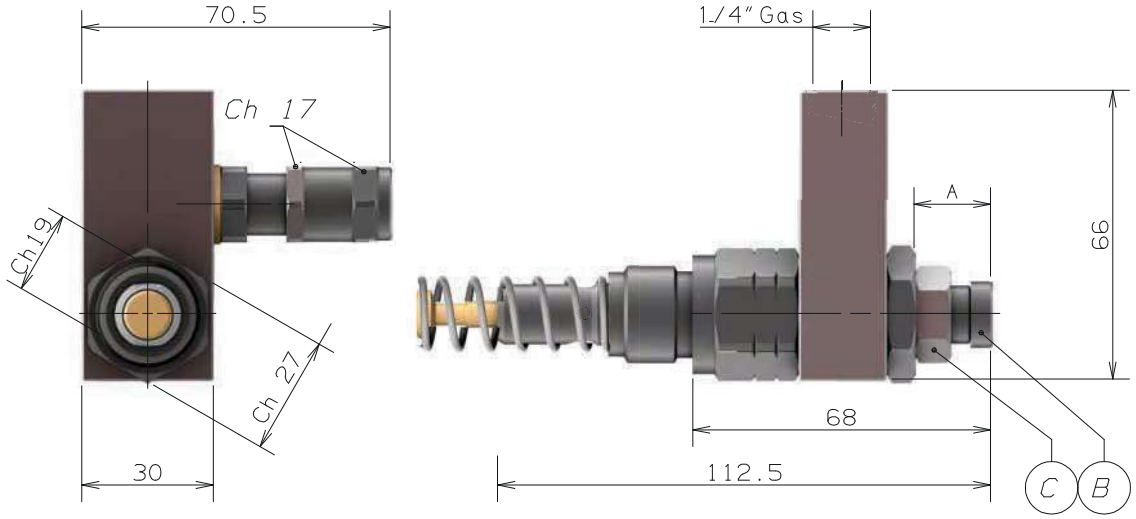
To install a pumping element that was not foreseen when ordering the pump, simply remove the yellow cap from the seat in the position in which you wish to insert the element and screw it all the way in. To ensure proper tightening and gasket seal, the closing force must be

21 Nm Progressive metering device pumping elements

15 Nm Single point pumping elements

21.3 ADJUSTABLE PUMPING ELEMENT

To vary the nominal pump flow rate, you must loosen the counter nut (Pos. C) and rotate the adjustment screw (Pos. B) clockwise to reduce, or anticlockwise to increase, the amount of lubricant. Once you have set the desired value, it is extremely important to tighten the counter nut again (Pos. C).



20.4 FLOW RATE ADJUSTMENT TABLE		
A	FLOW RATE/CYCLE	PERCENTAGE
23.6	120 mm^3	100 %
22.4	0.09 CC	75 %
21.2	0.06 CC	50 %
20.1	0.03 CC	25 %
19.4	0.03 CC	5 %
17.5	0.00 CC	0 %