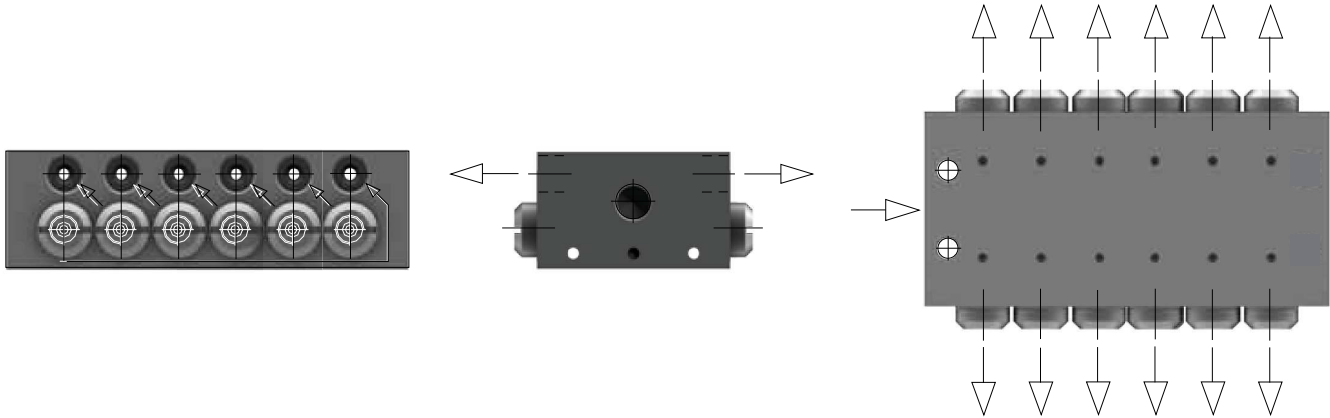


DPM PROGRESSIVE DIVIDERS

Lubricant dispensing sequence

The initial piston dispenses lubricant to the outlets corresponding to the final piston. The final piston dispenses lubricant to the outlets corresponding to the central piston or, if more than one, to the outlets corresponding to the closest intermediate piston. The intermediate piston dispenses lubricant to the outlets corresponding to the initial piston. The metering pistons in the DPA progressive dividers do not dispense the pre-established lubricant to the corresponding outlet but based on a set circuit sequence.

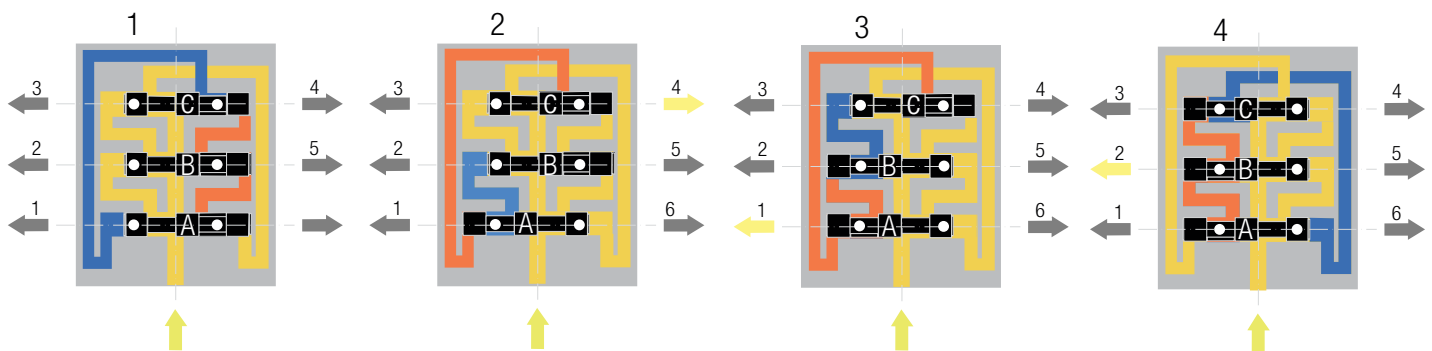


OPERATING PRINCIPLE

Yellow - pressurised lubricant

Pink - non-pressurised lubricant

1. Lubricant pressure through internal passages moves piston "A" to the left while it keeps pistons "B" and "C" in place.
2. An exact amount of lubricant exits point 4. Piston "A" is at the end of stroke. Through the opening left by piston "A" the lubricant pressure moves piston "B".
3. The lubricant exits point 1. Piston "B" is at the end of stroke. Through the opening left by piston "B" the lubricant pressure moves piston "C".
4. The lubricant exits point 2. Piston "C" is at the end of stroke. Through the opening left by piston "C" the lubricant pressure moves piston "A" to its original position. The lubricant exits point 3. Etc...



JOINING 2 OUTLETS

To lubricate larger surfaces, it could be necessary to join two or more outlets of the progressive divider. Each divider piston is set up to feed 1 or 2 outlets. When the separator grain is inserted (**Fig.1**) lubricant is dispensed in both side outlets. When the grain is not inserted (**Fig.2**) lubricant is only dispensed in one outlet with a double flow rate. When it is necessary to close an outlet thought to be used, remove not only the grain (UNI5925-M5x8) but also the ball (A92.089002), making sure to insert the closing plug (A73.087010 + A92.127006) in the outlet no longer used. The same procedure is valid when, on the contrary, the amount of outlets must be reduced. You must remove the closing plug and insert the separator grain with the relative ball. Dividers are normally supplied with the separator grain inserted and two side outlets open.

IMPORTANT: IT IS NOT POSSIBLE TO CLOSE BOTH OUTLETS RELATIVE TO A SINGLE PISTON. ALL OF THE OPERATIONS INDICATED ABOVE MUST BE PERFORMED IN A PERFECTLY CLEAN ENVIRONMENT.

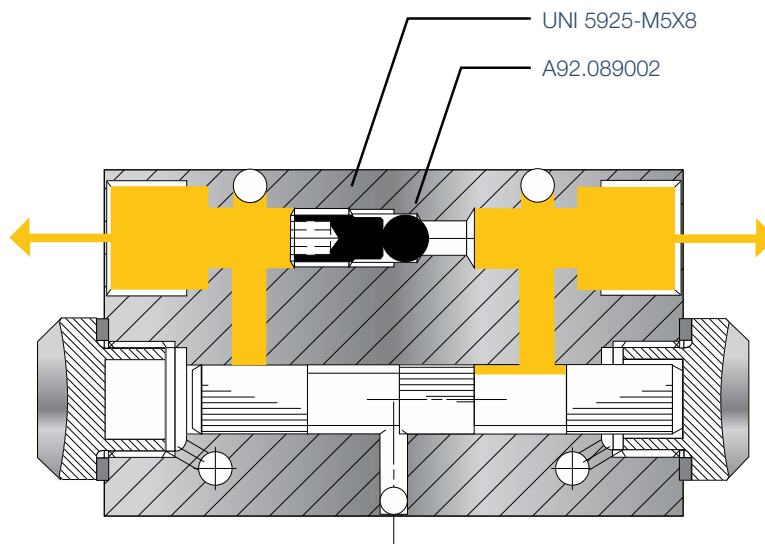


FIG. 1

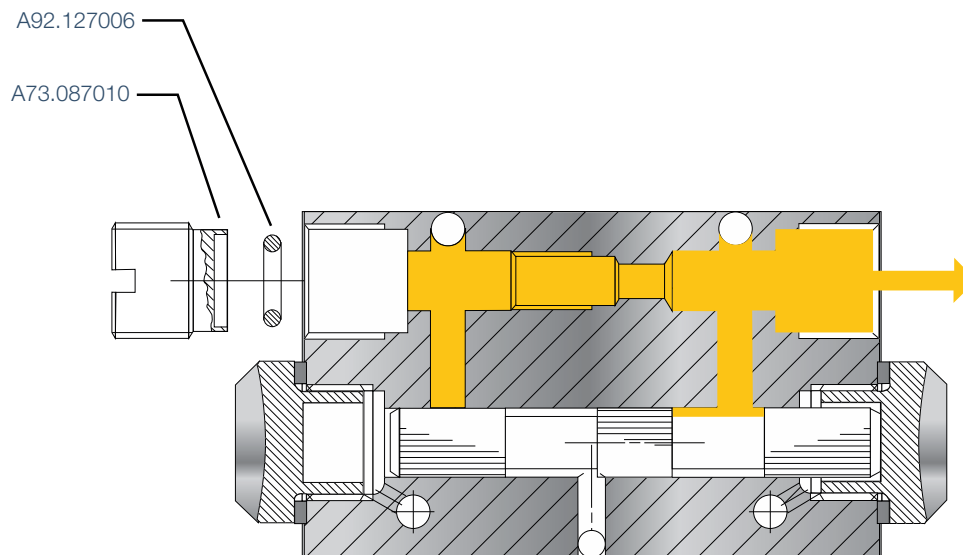


FIG. 2

DPM PROGRESSIVE DIVIDERS

Features

DISCHARGE/STROKE FOR SINGLE OUTLET	0.10 CC - 0.15 CC - 0.20 CC
NUMBER OF METERING ELEMENTS	FROM 3 TO 10
OPERATING PRESSURE	FROM 15 bar TO 250 bar
OPERATING TEMPERATURE	FROM -20° C TO +100° C
DIVIDER MATERIAL	GALVANISED STEEL
N°. CYCLES PER MINUTE	MAXIMUM 250
INLET	1/8"
DELIVERIES	M10X1
FIXING SCREWS	M5X40
LUBRICANTS	MIN. OILS 15 cSt - MAX. GREASE NLGI 2
CONTROL DEVICES	VISUAL AND ELECTRIC INDICATING CYCLE AND OVERPRESSURE
MAIN LINES	PIPES Ø 10-8-6
SECONDARY LINES	PIPES Ø 6-4

Ordering Codes

PART NUMBER	NUMBER OF PISTONS	A	PART NUMBER	NUMBER OF PISTONS	A
02.880.3	3	60	02.880.7	7	120
02.880.4	4	75	02.880.8	8	135
02.880.5	5	90	02.880.9	9	150
02.880.6	6	105	02.881.0	10	165

Overall Dimensions

