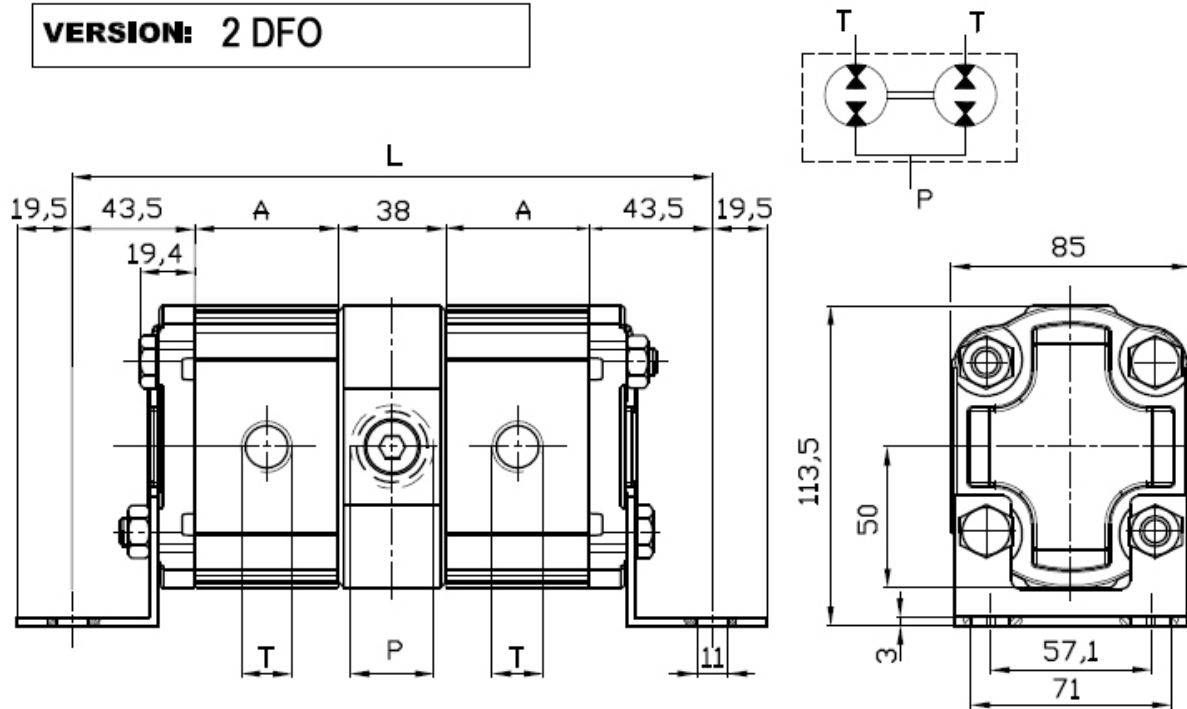


FLOW DIVIDERS

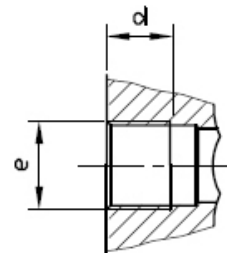
VERSION: 2 DFO



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	ΔP max between two outlets (bar)	Max speed (r.p.m)	Min speed (r.p.m)	Maximum flow for element (l/min.)	Minimum flow for element (l/min.)
2 DFO 04	04,10	250	280	200	4100	1250	20,2	6,2
2 DFO 06	06,20	250	280	200	3960	1235	26,1	8,1
2 DFO 08	08,20	250	280	200	3870	1220	31,7	10,05
2 DFO 11	11,20	250	280	200	3660	1200	40,9	13,45
2 DFO 14	14,00	240	280	200	3450	1175	50,0	17,03
2 DFO 16	16,00	240	250	200	3320	1160	56,0	19,47
2 DFO 20	20,00	200	250	200	3130	1130	65,7	23,83
2 DFO 22	22,50	170	230	200	3000	1100	67,5	25,80
2 DFO 25	25,10	170	230	200	2900	1100	76,2	28,90
2 DFO 28	28,00	140	200	200	2750	1060	77,0	33,3
2 DFO 30	30,00	130	200	200	2660	1060	87,4	34,4

Maximum flow for each Inlets sections: 80 [l/min]

Type	Dimension A (mm)	" T " output port		" P " output port	
		e	d	e	d
2 DFO 04	48,00	G1/2	14	G3/4	16
2 DFO 06	51,00	G1/2	14	G3/4	16
2 DFO 08	54,00	G1/2	14	G3/4	16
2 DFO 11	58,30	G1/2	14	G3/4	16
2 DFO 14	62,30	G1/2	14	G3/4	16
2 DFO 16	65,20	G1/2	14	G3/4	16
2 DFO 20	71,00	G1/2	14	G3/4	16
2 DFO 22	82,70	G1/2	14	G3/4	16
2 DFO 25	86,50	G1/2	14	G3/4	16
2 DFO 28	90,70	G1/2	14	G3/4	16
2 DFO 30	93,50	G1/2	14	G3/4	16



FLOW DIVIDERS

FLUID FILTRATION

It is known that in many cases the premature flow dividers performances reduction is due to a non correct filtration in the circuit.

The presence of contamination particles in the fluid usually corresponds to an irreparable wear of the pump internal parts.

It is recommended to pay attention to the plant cleaning, mainly in the starting activity, because if dirt (dust , metal shavings , rubber fragments from the pipes unions , etc .) circulates inside the flow divider , it will damage internal parts and will reduce working efficiency.

Here below the technical parameters to respect:

<i>SUGGESTED FILTRATION</i>	$\Delta P > 150 \text{ bar}$	$\Delta P < 150 \text{ bar}$
<i>CONTAMINATION CLASS NAS 1638</i>	10	8
<i>CONTAMINATION CLASS ISO 4406</i>	17/14	19/16
<i>TO BE OBTAINED WITH FILTER 3X75</i>	10^{-3} m	25^{-3} m

HYDRAULIC FLUIDS

It is recommended the use of fluids made for hydraulic circuits.

Usually they are hydraulic oils with mineral basis HLP HV (DIN 51524).

Here below the technical parameters to respect:

<i>MINIMUM VISCOSITY</i>	$10 \text{ mm}^2/\text{s}$
<i>MAXIMUM VISCOSITY</i>	$100 \text{ mm}^2/\text{s}$
<i>SUGGESTED VISCOSITY</i>	$20 \text{ mm}^2/\text{s} / 100 \text{ mm} / \text{s}$
<i>SUGGESTED TEMPERATURE</i>	$30^\circ\text{C} / 50^\circ\text{C}$
<i>WORKING TEMPERATURE</i>	$-15^\circ\text{C} / +80^\circ\text{C}$

INSTALLATION INSTRUCTIONS

- Make sure that the intake pipes and the pipes connecting the flow divider to the hydraulic cylinders have adequate sections and are CLEAN.
- Make sure that the fluid within the system is clean , suitable and has recommended viscosity , as shown in the above table.
- Put the flow divider on a clean working table , if possible with metallic level space (not painted).
- Remove the plastic plugs with attention in order to avoid any possibility that any plastic broken piece remains inside the flow divider.
- Screw down by hand the fittings pipes and then tighten them with a suitable key.
- Make sure that flow divider and all the other hydraulic components are correctly installed and then test the system working for about one hour to have the right flow divider performances.