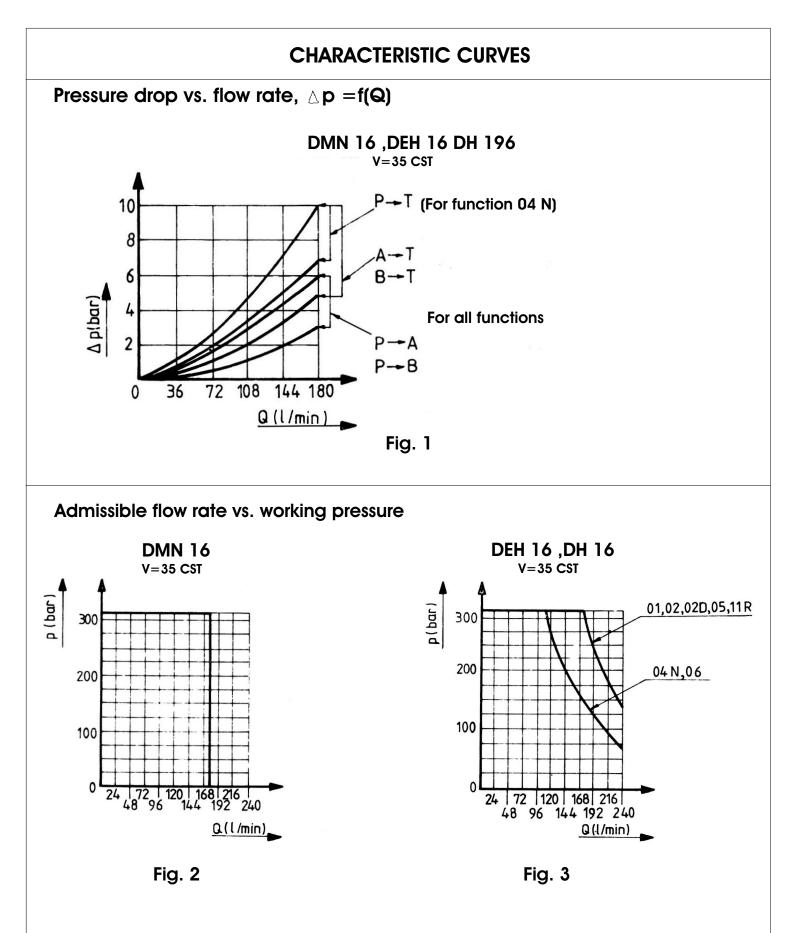




193<sup>rd</sup> Stefan Cel Mare str., 2400 Sibiu -Romania

		I
240 l/min	Hydraulic directional control value	<b>/es</b> Fc - 3
315 bar	Dn 16	
	GENERALITIES	
4-way, 2 or 3 p	position (4/2 or 4/3) directional control val	ves
hydraulicall Pilot operated	y hand lever y, from a remote pilot source :	
solenoia op	erated, by a DE 6 pilot valve, electrically o	conirollea.
Spring or press valves.	sure return to normal position. Indexable o	at manual operated
	ol functions, obtained by different spools nting surface conforming to ISO 4401.	
GENERAL	PERFORMANCE DATA	
Fixing: face	mounting	
Mounting po unrestricte	osition: function 11: horizontally; the d.	other functions:
Temperature	e range of ambient medium: -20°c	+ <b>50°c</b>
HIDRAULIC		
•	ure at ports P,A,B : 315 bar ure at port T : 250 bar - pt Y ext 160 bar - pt Y intern	
Flow: see figur	es 1- 3	
Viscosity Tempera	e: additived mineral oil. range: 10500 cSt ture range: -25°C+80°C : < 25 μm	

Main valve pilot pr	essure: mi	in 10 bar				
Main valve shift ve		For 2 positio	ns 1	for 3 positions		
			<b>8,9</b> cm <sup>3</sup>		4,45 cm <sup>3</sup>	
Main valve respons	e time:				-,-• • • • • •	
solenoid energized:			50 bar 200 bar 30 50 ms (c.c) 15 25 ms (A.C			
no	energized	50 bar 40 60 ms (C	20	200 bar 40 60 ms (A.C)		
	SOLENOI	D CHARAC	CTERISTICS			
Type of current:		Direct	current (DC)	Altern	ating current (AC	
Voltage, Un		12 24	-		110 V/50Hz 220 V/50Hz	
Voltage admissible Relative duty cycle Maximum switch fre Power input at 20 °C *Pilot valve respons	: Da100% equency p C : solenc no sol se time: solenc	ber hour: 30 bid energize lenoid ener bid energize	ed: 35 W	) ms	120VA 40 VA 520 ms 10 60 ms	
Maximal admissible	e pressure	at solenoid	I chamber: 160	bar		
Type of connection Type of protection	•		-			
NOTE : * Response t	ime will vary	v with valve h	ydraulic power.			





# VALVE FUNCTIONS

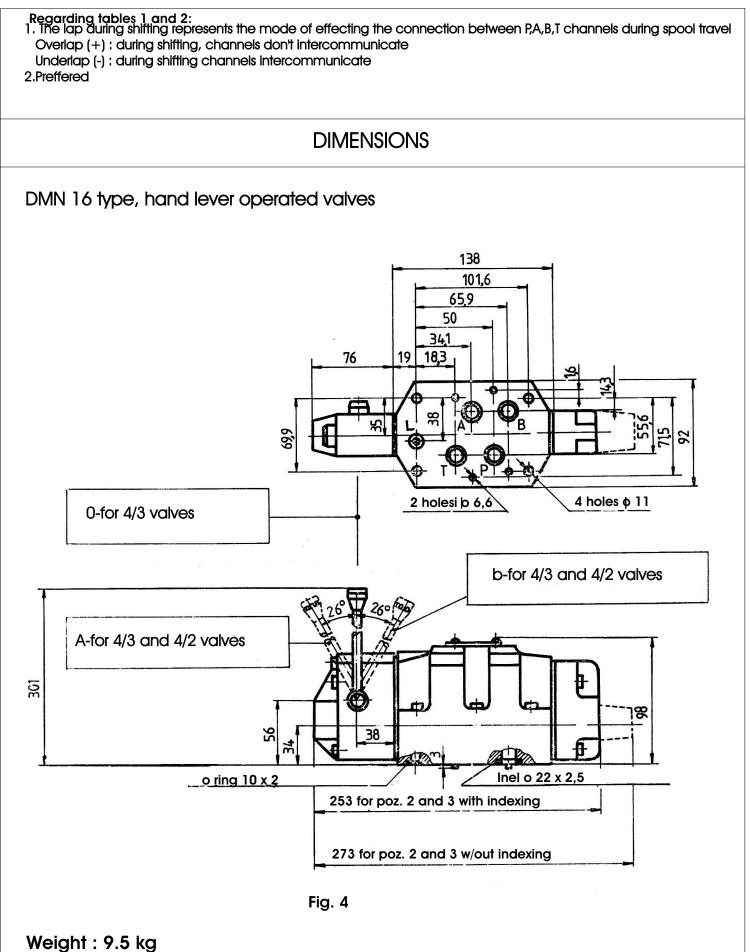
#### Distributional valve functions

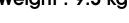
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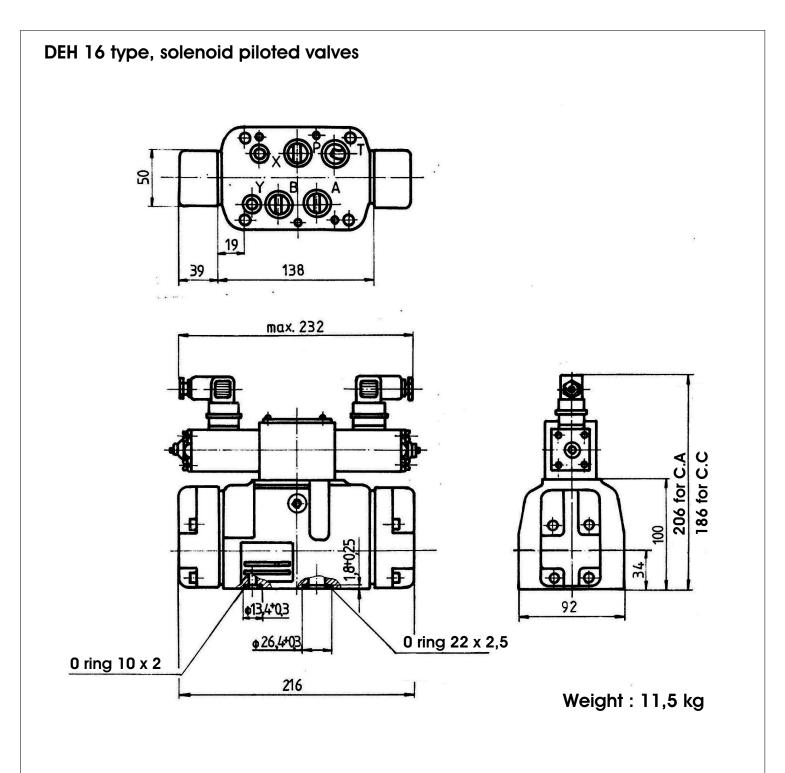
	Symbol		Symbol	
oool type		2		
Spool type	DH	Lap	DMN	Lap
01		+	A B b PT	
02				+
02D		×		-
04				+
04N		1		
05				
06	A B X►-Y PT			

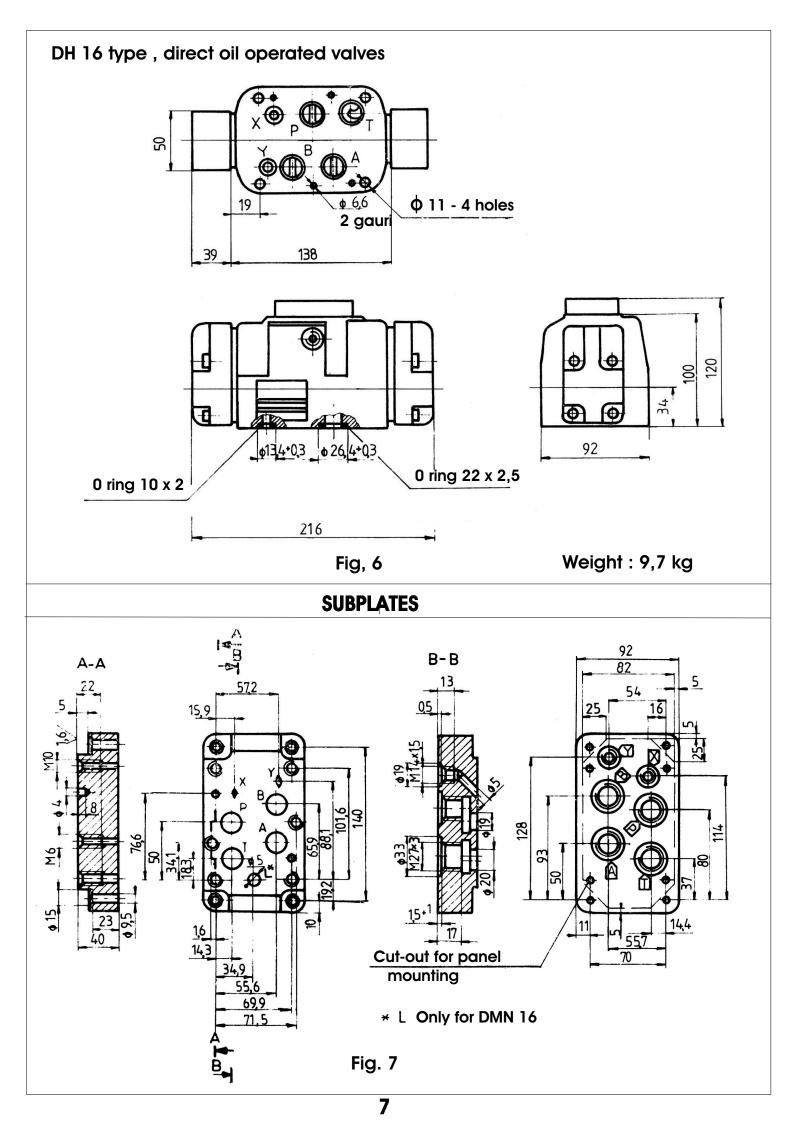
Table .2

			DEH Z					
Spool	Simplified symbol	Lap	Voltage 012/00 024/00 096/00 190/00 110/50					
type			012/00	024/00	096/00	190/00	110/50	220/50
01		+		PY			XY	PY
02				xy			XY	XY
02D				PY				PY
04N		-		<b>,</b> PY				
05				PY			XY	PY
06				x۲				XY
11R				xY			XY	









### L-port only in DMN 16 si DEH 16 type directional control valves Model code PBD 16-1 Weight : 3,200 kg

fixing screws M10x60 SR ISO 4762:1993, gr.10.9. Tightening torque 50<sup>+10</sup>daNm fixing screws M6x60 SR ISO 4762:1993, gr.10.9. Tightening torque 11<sup>+3</sup>daNm Screws delivered separately.

## MODEL CODE

### 123-4-567\*\*-8\*\*-9\*\*/10\*\*-11\*\*-12\*\*/\*

\* For climatic protected model, add /T1 or t2 at the end of the model code. \*\* Only for DEH 16 valves

- 1 . D Hydraulic directional control valve
- 2. Valve actuation
  - MN hand lever operated, for DMN 16
  - EH electrically-hydraulically operated, for DEH 16
  - H direct oil operated for DH 16
- 3.16 Nominal bore
- 4. Valve functions conforming to table.
- 5. Shifting time adjusting:
- -w/out
- T-with (only for DEH 16 and DH 16)
- o-Series (only for DMN 16)
- 6. Control flow limiting:
- -w/out
- T-with (only for DEH 16)
- o-Series (only for DH 16)
- 7. Differential actuating of spool
- -w/out
- D-with
- 8. Operating directional flow connections
- XY
- PT(except for open centre or underlap functions)
- PY
- XT
- 10,Voltage (v) frequency (Hz)
- DC -012/00
- -024/00
- AC -20/50
  - -110/50
  - -220/50
- 11.S-Plug-in connector
- 12.O-Series