



**DIPLOMATIC  
HYDRAULICS**

# P4D\*

## MODULAR SUBPLATES FOR CETOP 05 VALVES

This series of modular subplates has been designed to make hydraulic circuits and can be used directly on power packs or on any other section of the machine.

The subplates are assembled by means of 4 tie-rods with seal seats incorporated in the subplate.

The above assembly achieves compact units (including pressure and discharge manifolds): one face per subplate is used for connection to services and the other to mount CETOP 05 or CETOP03 valves.

Complex circuits can also be set up using modular valves.

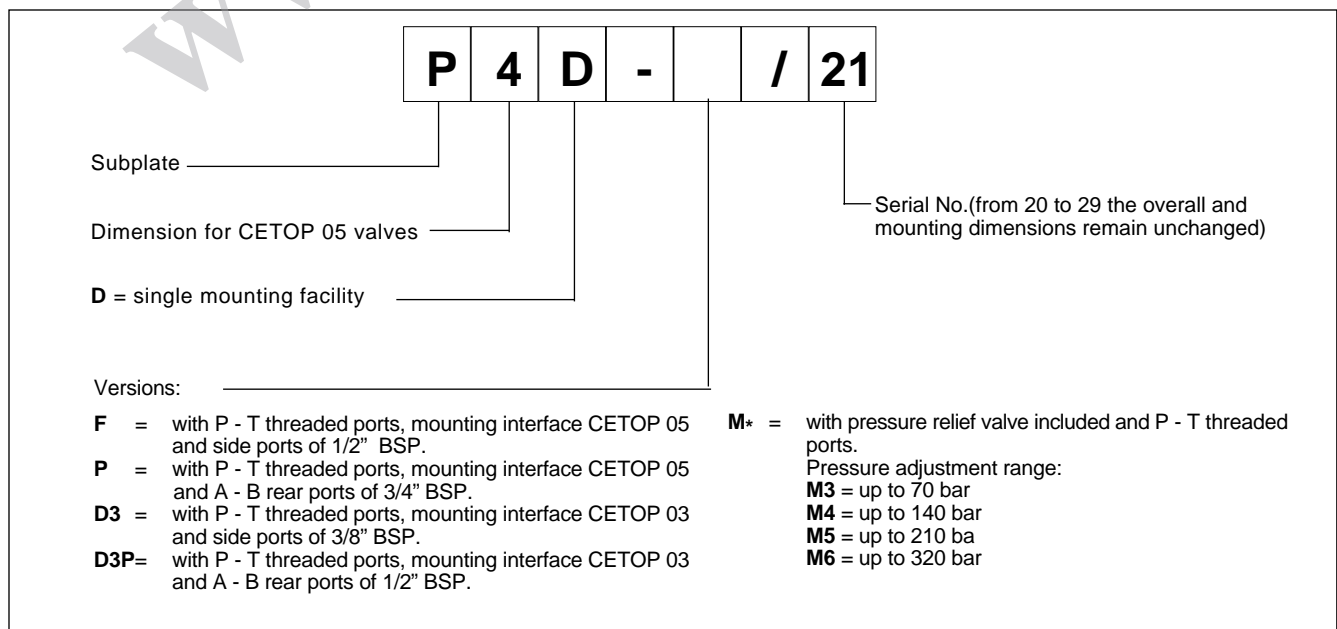
The recommended mounting configuration for **P4D** subplates on hydraulic power packs is with the main axis positioned vertically to obtain the bundle of pipes to utilities in two vertical rows; however assembly is not restricted to this configuration.

**p max 350 bar**

**Q max 100 l/min**

Performance ratings		
Maximum operating pressure - P-A-B ports - T port	bar bar	See par. 8 140
Maximum flow	l/min	100
Ambient temperature range	°C	-20 ÷ +50
Fluid temperature range	°C	-20 ÷ +80
Fluid viscosity range	cSt	10 ÷ 400
Recommended viscosity	cSt	25
Fluid contamination range	According to NAS 1638 class 10	

### 1 - IDENTIFICATION CODE

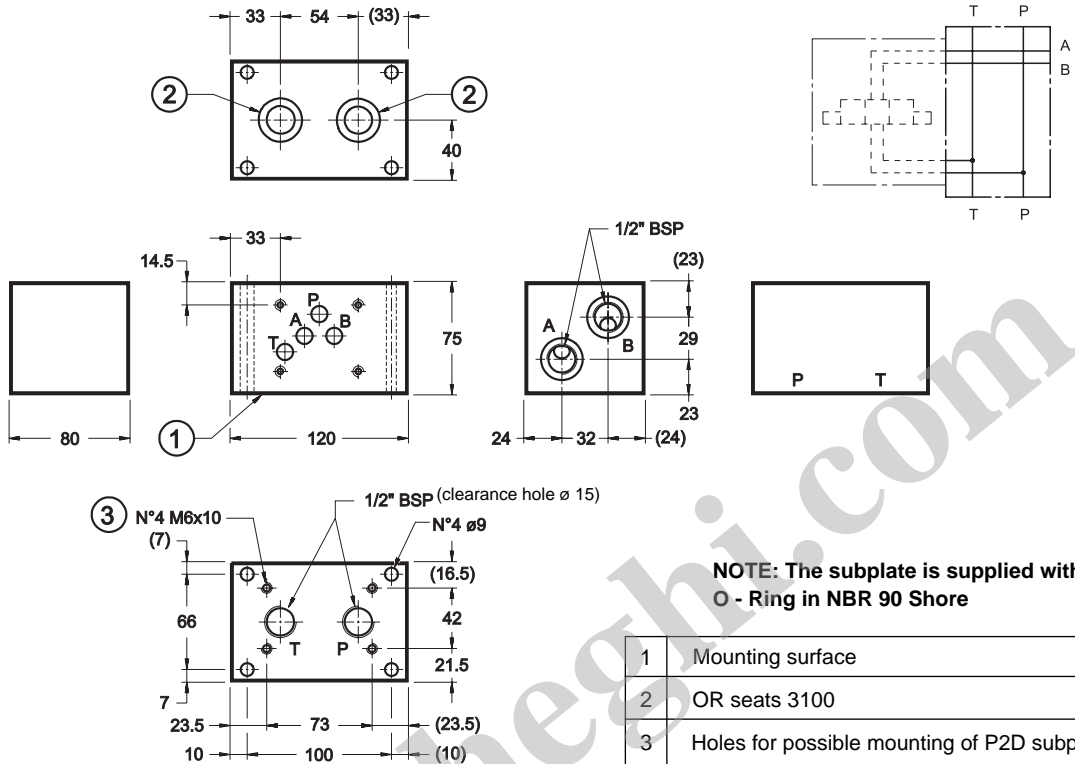




**2 - OVERALL AND MOUNTING DIMENSIONS P4D-F/21 (cod. 1561441)**

P - T THREADED PORTS SUBPLATE, WITH MOUNTING INTERFACE  
FOR CETOP 05 VALVE AND A-B SIDE PORTS OF 1/2" BSP

dimensions in mm



**NOTE: The subplate is supplied with O - Ring in NBR 90 Shore**

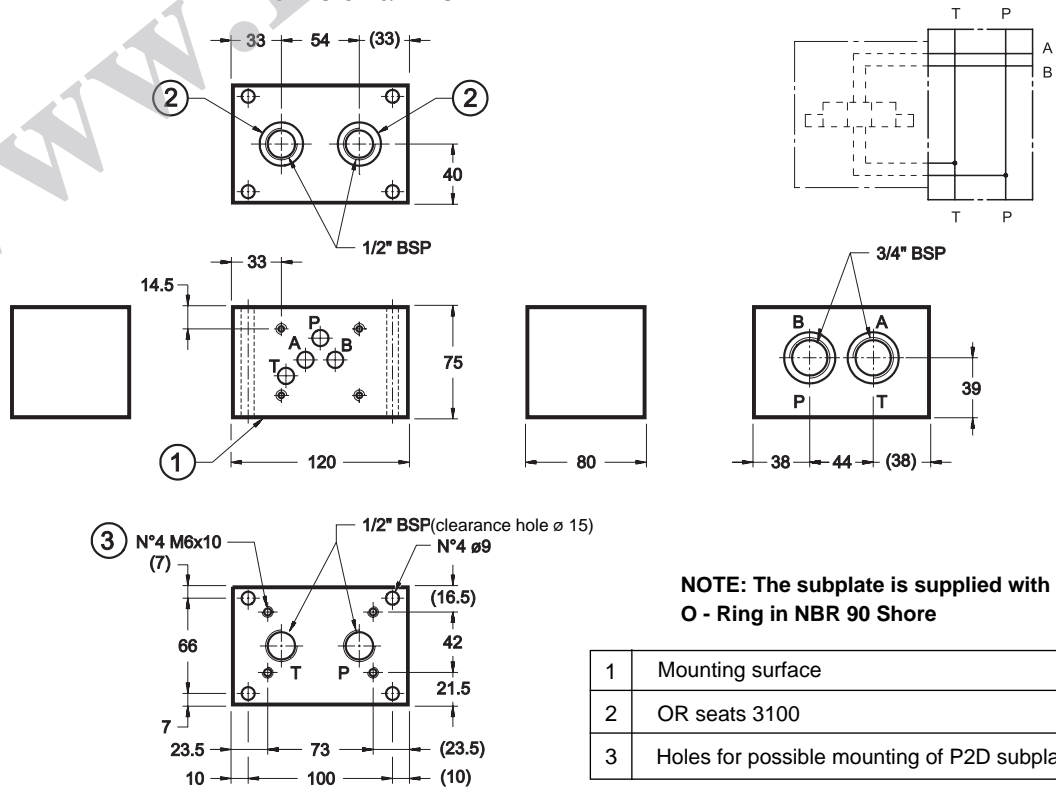
1	Mounting surface
2	OR seats 3100
3	Holes for possible mounting of P2D subplates

Mass: kg 4,8

**3 - OVERALL AND MOUNTING DIMENSIONS P4D-P/21 (cod. 1561461)**

P - T THREADED PORTS SUBPLATE WITH MOUNTING INTERFACE  
FOR CETOP 05 VALVE AND A -B REAR PORTS OF 3/4" BSP

dimensions in mm



**NOTE: The subplate is supplied with O - Ring in NBR 90 Shore**

1	Mounting surface
2	OR seats 3100
3	Holes for possible mounting of P2D subplates

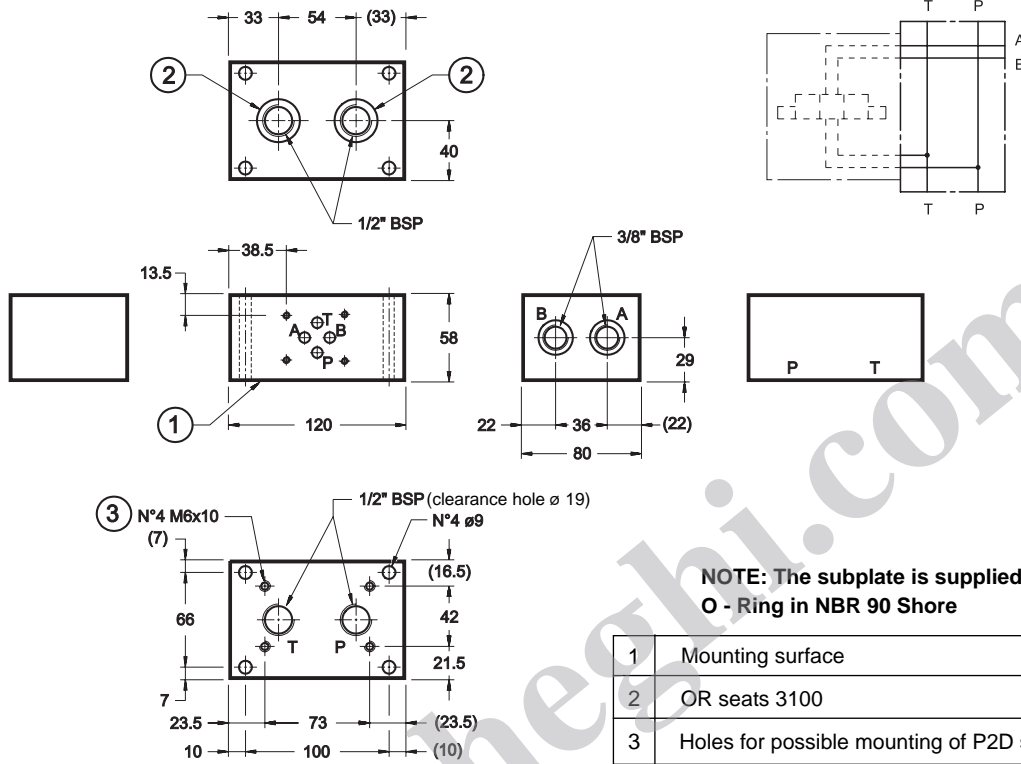
Mass: kg 4,8



**4 - OVERALL AND MOUNTING DIMENSIONS P4D-D3/21 (cod. 1561451)**

P - T THREADED PORTS SUBPLATE, WITH MOUNTING INTERFACE FOR CETOP 03 VALVE AND SIDE PORTS OF 3/8" BSP

dimensions in mm

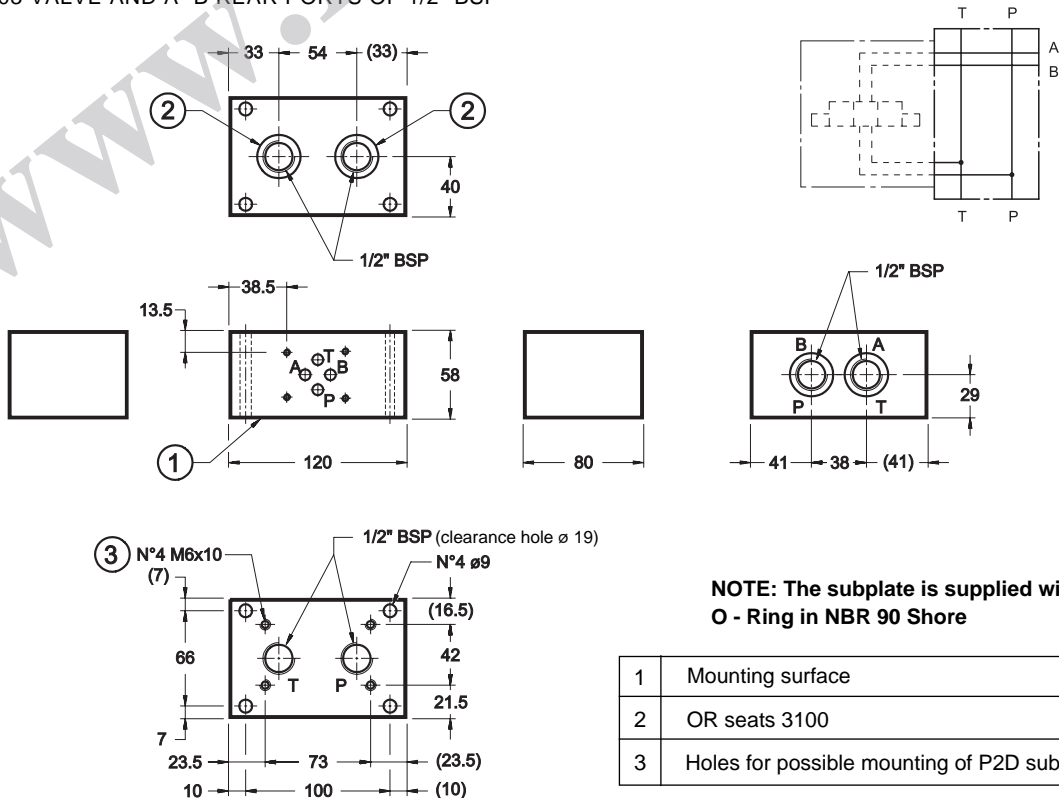


Mass: kg 3,8

**5 - OVERALL AND MOUNTING DIMENSIONS P4D-D3P/21 (cod. 1561481)**

P - T THREADED PORTS SUBPLATE, WITH MOUNTING INTERFACE FOR CETOP 03 VALVE AND A - B REAR PORTS OF 1/2" BSP

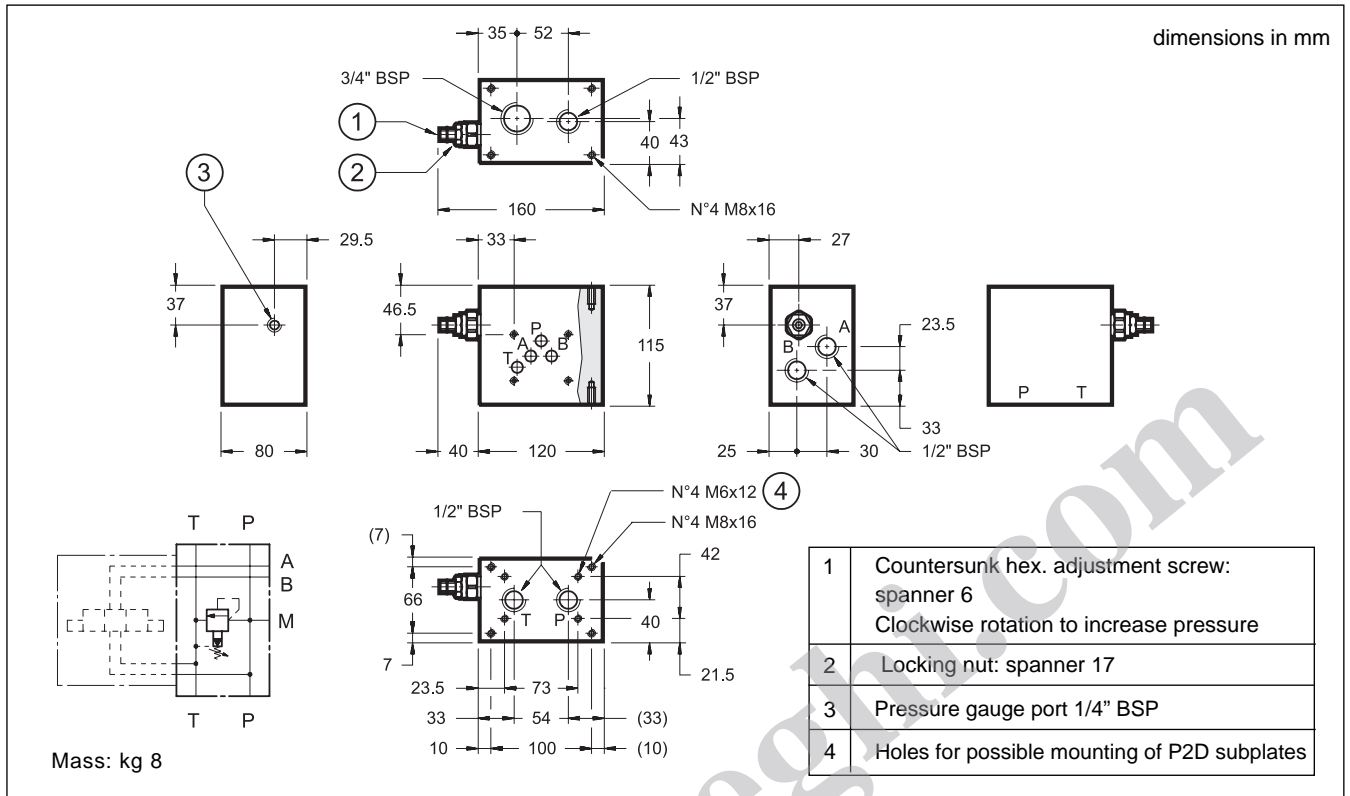
dimensions in mm



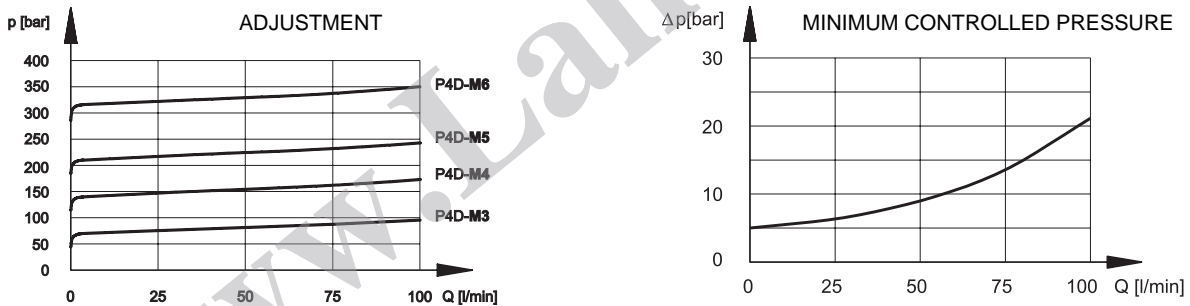
Mass: kg 3,8



### 6 - OVERALL AND MOUNTING DIMENSIONS P4D-M/21



### 7- CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



### 8- MAXIMUM PRESSURE ON P

Depending on the tie-rod type and on the number of assembled subplates it is necessary to pay attention to the maximum pressure on P in order to avoid extruding the O-Ring.

No. of assembled subplates	Threaded bar class B7 DIN 975	Stud class 8.8 UNI 5911	Stud class 12.9
2	350 bar	350 bar	350 bar
3	300 bar	350 bar	350 bar
4	250 bar	300 bar	350 bar
5	200 bar	250 bar	300 bar
6	150 bar	200 bar	250 bar
Tightening torque	20 Nm	20 Nm	30 Nm

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