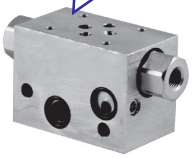
EXTERNAL MANIFOLDS & ACCESSORIES

Standard NG6 (Cetop 3) base modular manifold blocks with parallel or series connections, rear or lateral ports. They can be stacked one upon the other. Top manifold P and T ports can be plugged with simple 1/4" or 1/8" BSP plugs

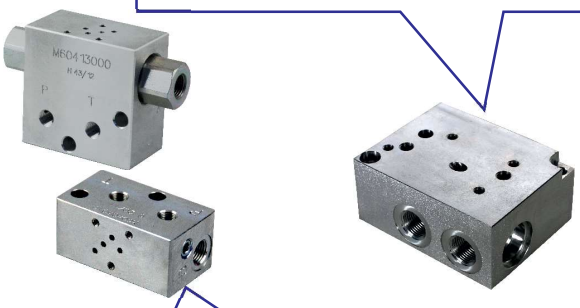
Pilot operated check valves can be integrated within modular manifold blocks for NG6 (Cetop 3) valves, thus avoiding the extra modular Cetop 3 sandwich type valve between the base block and the spool valve

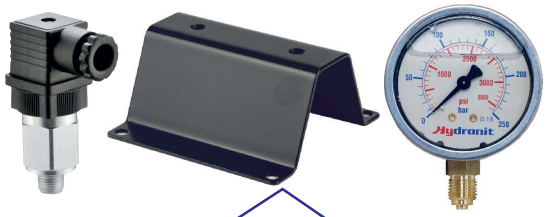


External hand pumps with 4 cc or 8,8 cc/stroke can be mounted between the central manifold and the Cetop 3 modular block. The lever may be rotated 360°

The **pressure line** or **return line filters** are mounted in a modular manifold which can be stacked under NG6 (Cetop 3) modular manifolds

BMPPC02 base block for stackable manifolds and valves allows you mount our full range of **modular stackable valves** on your conventional units, by connecting the threaded P-T ports from the main pumping station.





A full set of **accessories** is available to complete the power pack configuration

The **NG3 MICRO** set of blocks and valves is an **ultracompact and cost effective alternative** to NG6 (Cetop3), up to 15 l/min. They can be mounted thanks to the PPC-to-PPM adaptor

Q & A

How many types of external manifold blocks can be mounted?
The central manifold exit face allows the mounting of two different block systems, fixed by 2x M8 bolts (normally used for NG6 Cetop 3 modular manifolds stacks) or 4x M6 bolts (for additional or special manifolds). The two types of bolt systems cannot be mixed on the same stack. To mount stackable directional valves or NG3 MICRO directional valves an adaptor plate is required. See section G for the relevant valve details.

When do I need to mount the 28mm spacer block?
Whenever a big motor is mounted on the power pack. Normally the E60403004 spacer must be mounted below the stack of NG6 (Cetop 3) blocks with AC motors with frame 80 or higher and with DC motors frame 125 or higher.

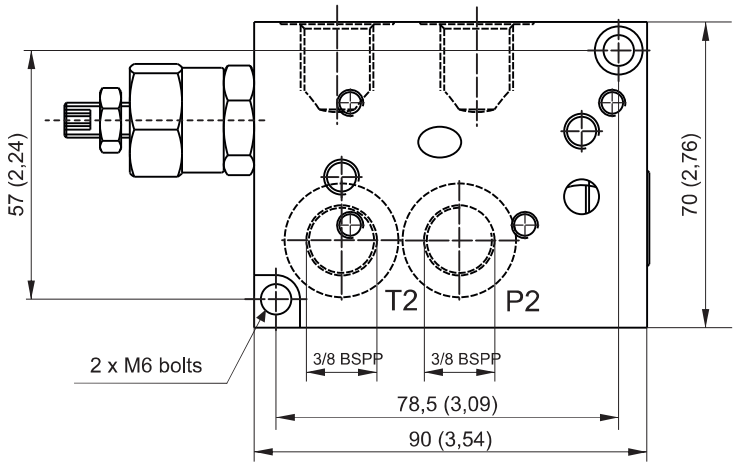
When are the modular manifolds for differential area cylinders used?
With UR (reversible pump circuits) central manifold, the exit ports are directly A and B instead of P and T. With differential area cylinders, when the bidirectional pump flow is outputting to the rod side port (let's say it is B port), there will be more flow returning to A port, connected to the piston side of the cylinder, due to the cylinder differential area ratio. The function of this manifold is to discharge the extra flow to tank at nearly zero pressure, as this cannot be absorbed by the pump itself and should otherwise flow throught the relief valve causing overheating and counterpressures.

IN-LINE MOUNTING BASE PLATE FOR MODULAR BLOCKS

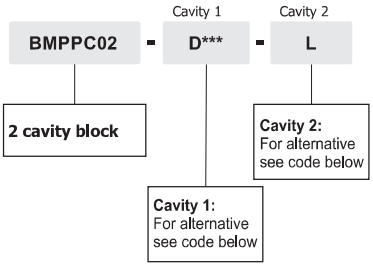
Dimensions in mm (inches)

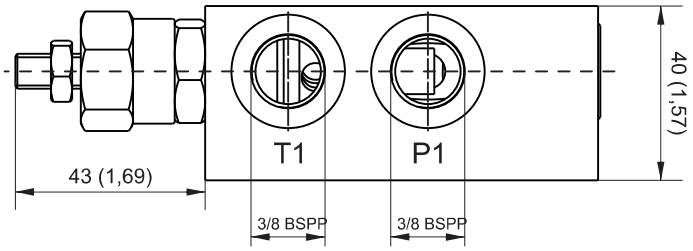
Main features

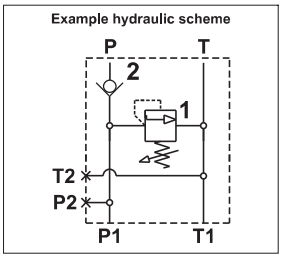
Max flow	40 l/min
Max pressure	350 bar
Weight	0,58 Kg (1,28 lb)
Fixing bolts	2 M8 or 4xM6 tie - rods steel class 8.8 or above



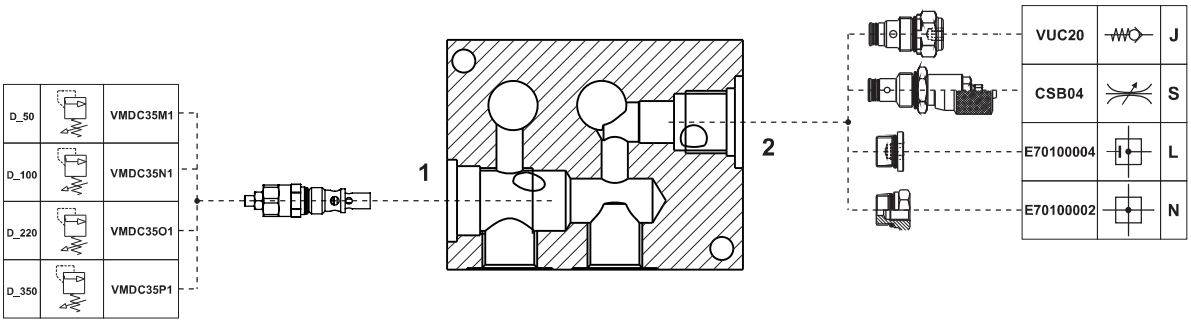
ASSEMBLY CODE - example



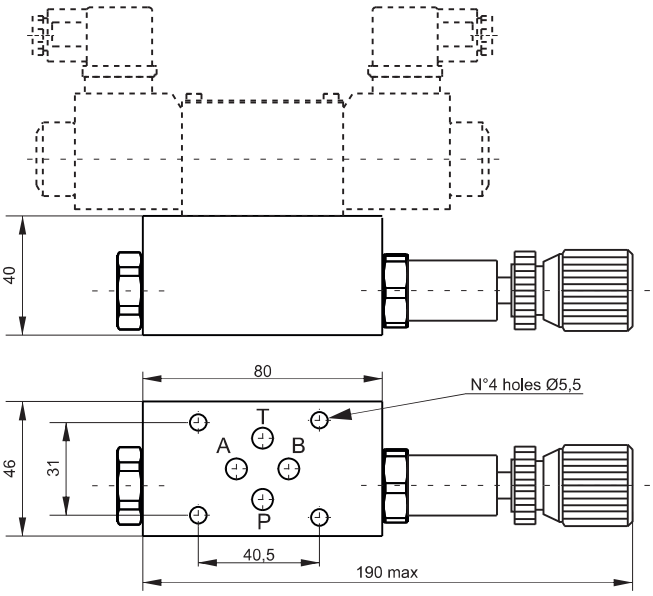




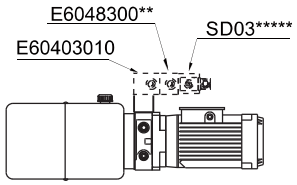
BMPPC02 allows you to mount off-line the entire system of Hydronit modular blocks and valves.
A typical application is to use it on a conventional powerpack, where the control block and the valve are separated from the engine driven pump.
P1 and T1 ports are closed by 3/8" BSP plugs in standard configuration.
You can use these ports dismounting the plugs and using the same to close P2 and T2 ports.
See cavity 1 VMDC35 table in section G.
See cavity 2 components and plugs tables in section D.



NG6 (CETOP 3) SANDWICH PRESSURE REDUCING VALVE



Mounting example



Main features

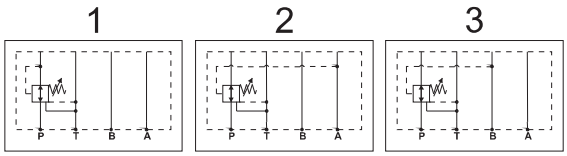
Max pressure	210 bar
Max flow	35 l/min
Weight	1,3 kg
Fixing bolts	4 M5x** bolts. 5Nm torque 10,9 class steel or above
Fluid temperature	-20 ÷ +80°C
Filtration	25 ÷ 50 µ

Spare part code

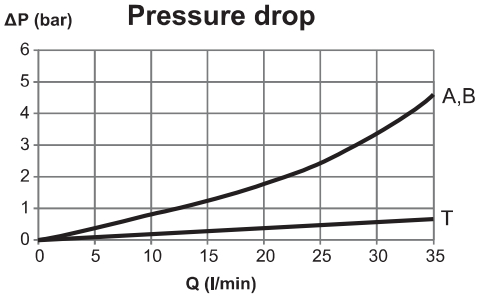
E6048300* — **NG6 (Cetop 3) pressure reducing valve**

1 — **Hydraulic scheme (see below):**
1: reducing on P
2: reducing on A
3: reducing on B

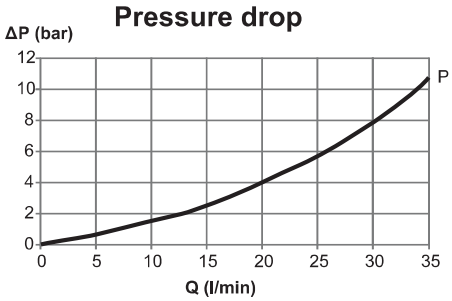
B — Spring range:
B: 7-70 bar
D: 70-210 bar



Pressure drop



Pressure drop



Minimum adjustable P