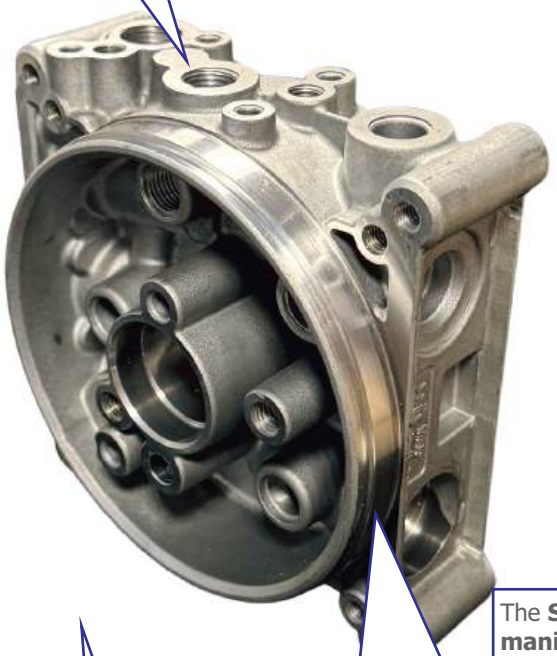
CENTRAL MANIFOLDS for PPC

The **Universal central manifold** with up to 5 lateral cavities in 3 main executions

Two **die-cast aluminium central manifold**s in eight main executions is the core part of all power units for all industrial, mobile and marine applications. They feature the **highest integration and flexibility** on the market, with up to **eleven cavities** where valves and components can be fit

The **interface** to hose fittings or external additional manifolds is **standardised**. The P and T ports are **1/4" BSP** threaded (International standard) or **9/16-18UNF** (SAE06 - American standard) for direct connection of hose fittings.





The **Smart central manifold** with up to 6 lateral cavities in 5 main executions

Lateral cavities are conform to **SAE08 standard** (3/4-16UNF)

Clockwise (our standard) or counterclockwise tang drive shaft **external gear pumps** can be mounted. **Double pumps**, including those with an integral **HI-LO circuit**, and **low noise helicoidal gear pumps** are also available. The maximum flow is **25l/min** (6,5GPM), with a **low pressure drop**. Electric motor power up to 7,5kW.

The **interfaces** to tanks and motors are **unified.** All plastic and steel tanks can be easily interchanged.
AC or DC motors can be fit.
B14 IEC or NEMA 56C and 184TC standard motors interfaces are available

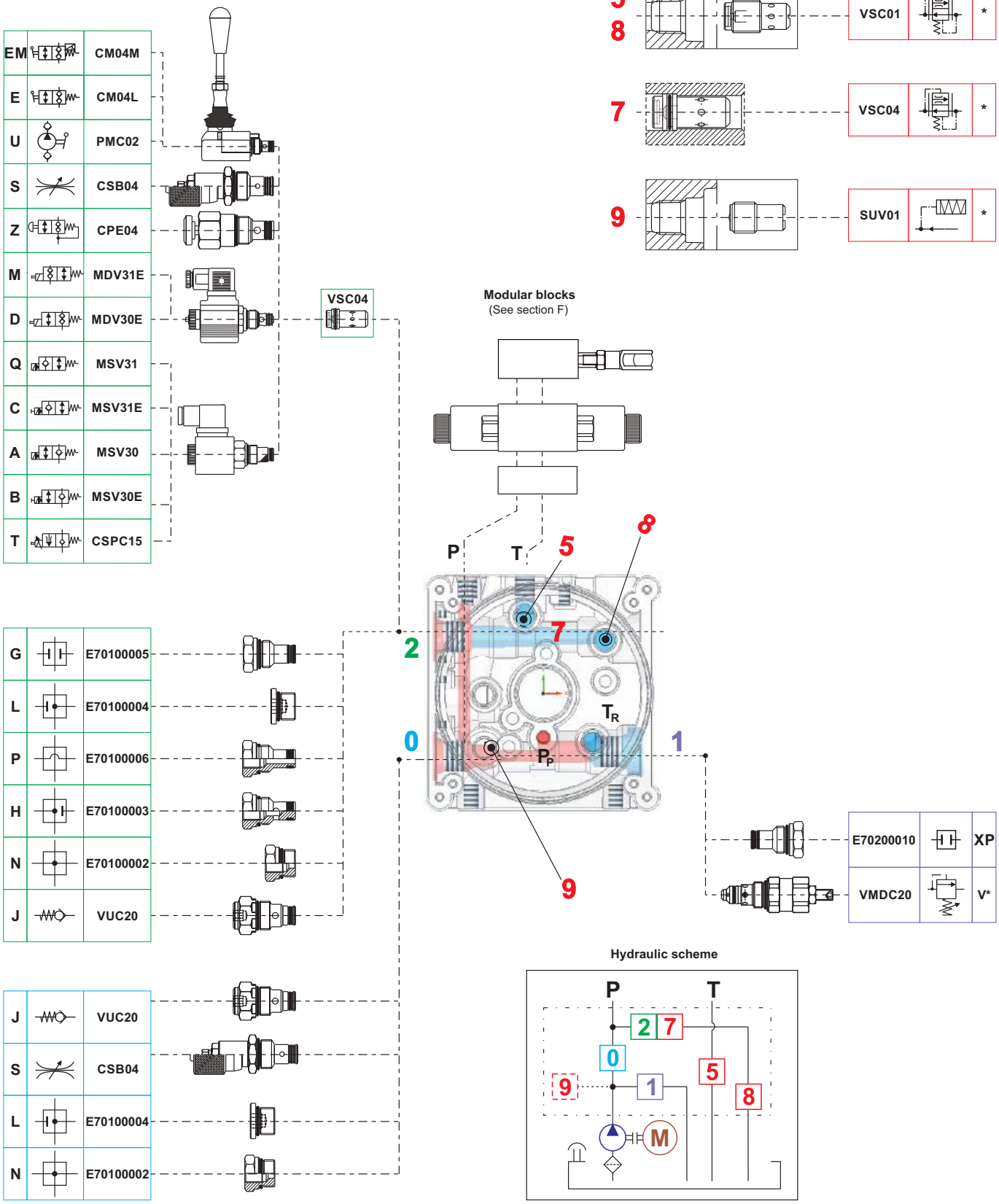
Q & A

Which central manifold type and execution should I choose?
UA type is the most widely applied for single acting or double acting circuits. UB is the real «Universal» central manifold since, in addition to UA type features, there are two extra lateral cavities to mount, for example, an integrated emergency hand pump and an externally adjustable flow control. U4 is recommended for compact and cost effective double acting circuits with a single cylinder.
SR type is used with bidirectional pumps and can integrate P.O. check valves and differential cylinder vent valve (SRD version), SB3 is for circuits with 3-way hydraulic operated valve for automatic venting when the electric motor is off, SB is applied for single acting or double acting circuits with alternative components location than the UB and additional features. S4 is recommended for driving up to two double acting cylinders with integrated cartridge valves. SX* are for SPU. Further exectutions are available on request.

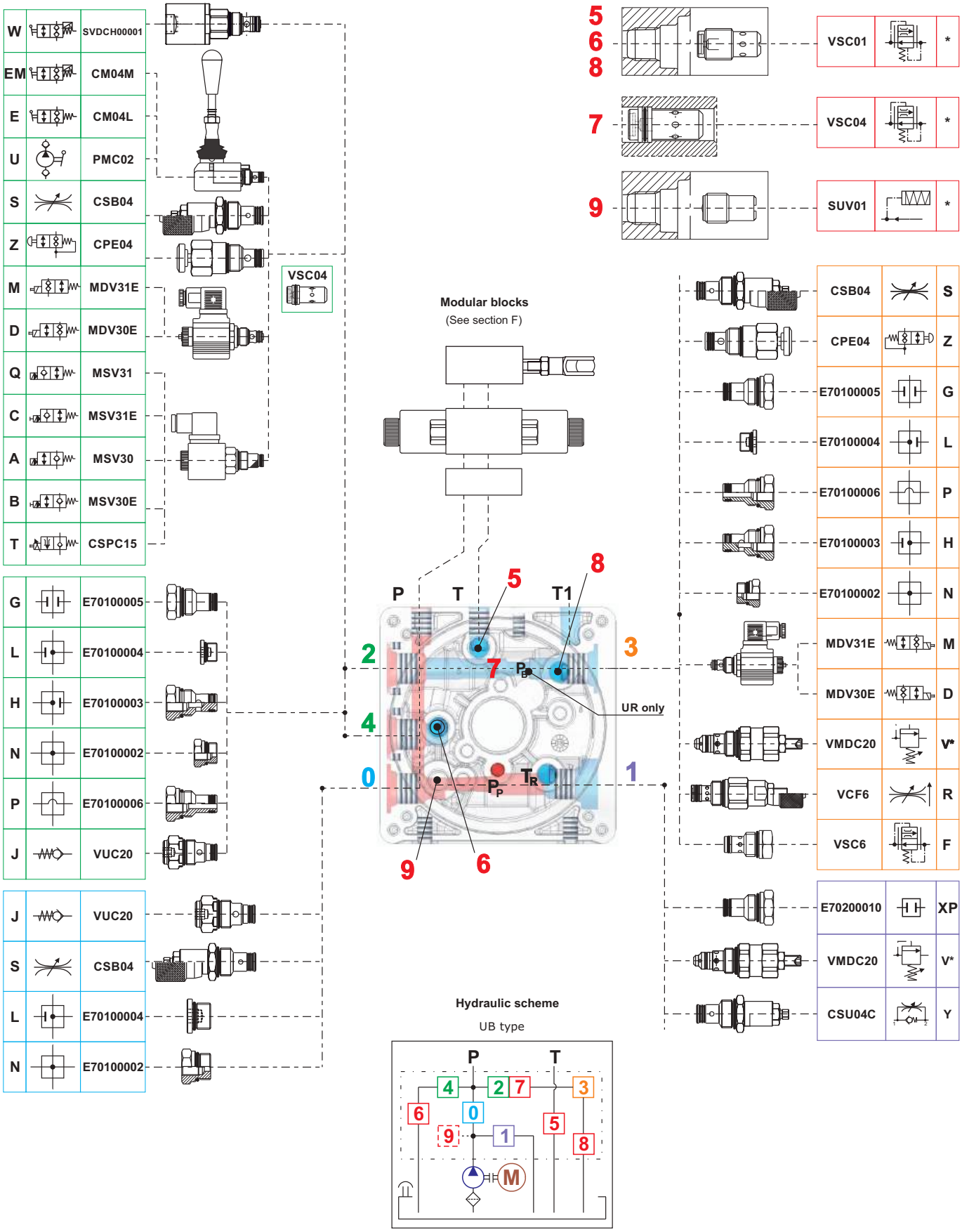
Do I need special tools to assemble the components within the central manifold?
No. All valves are screw-in type in a single piece construction (no loose nuts, washers, springs; nothing difficult to assemble or fall apart). The components can be easily assembled with simple hand tools and hexagon or Allen wrenches.

Is the central manifold available as a loose component?
Yes. We can supply either fully assembled and tested power packs or kits of loose components which can be kept in stock by our worldwide distributors and easily assembled to satisfy local market demand quickly and effectively. Central manifolds and other components are 100% tested even when supplied as loose parts.

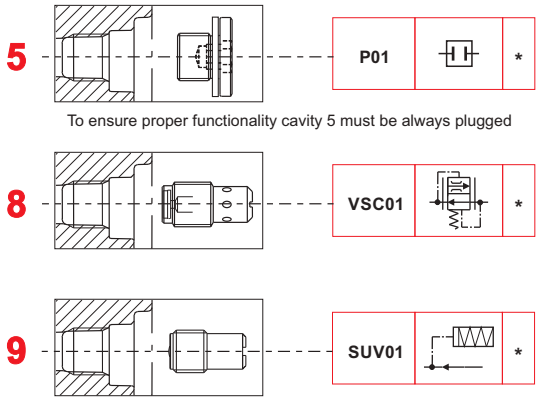
UNIVERSAL CENTRAL MANIFOLD «UA»



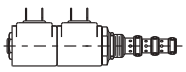
UNIVERSAL CENTRAL MANIFOLD «UB»



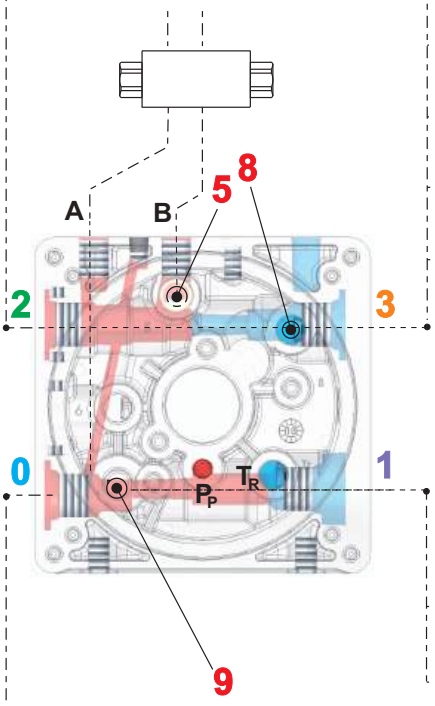
UNIVERSAL CENTRAL MANIFOLD «U4»

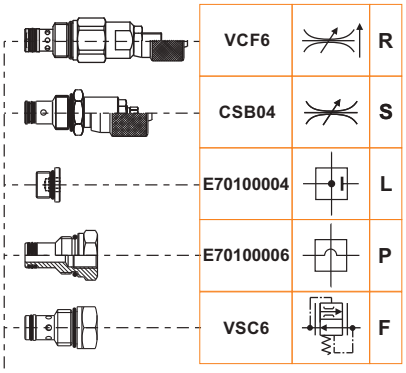


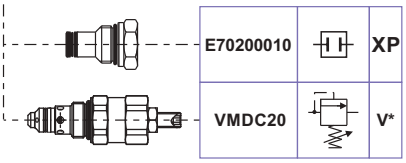
4VA2		MSV4VA2
4VB2		MSV4VB2
4VC2		MSV4VC2
4VE2		MSV4VE2
4VA11C		MSV4VA11C



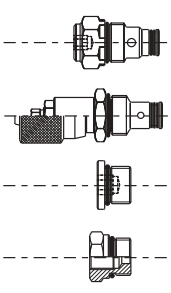
Modular manifold with check valves
(See section F)



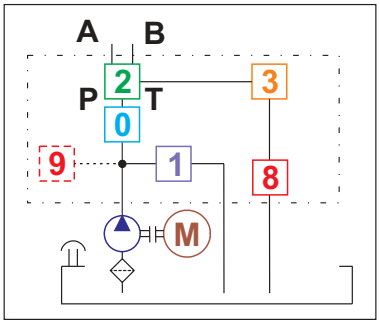




J		VUC20
S		CSB04
L		E70100004
N		E70100002

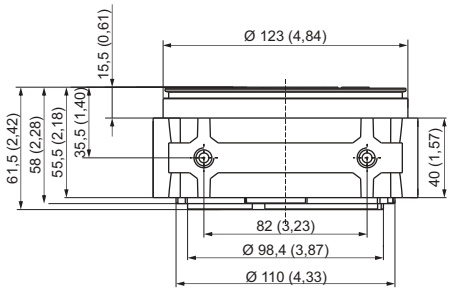


Hydraulic scheme



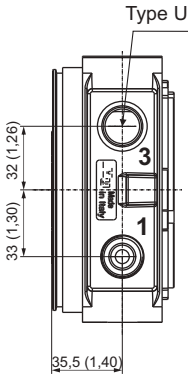
UNIVERSAL CENTRAL MANIFOLDS - OVERALL DIMENSIONS

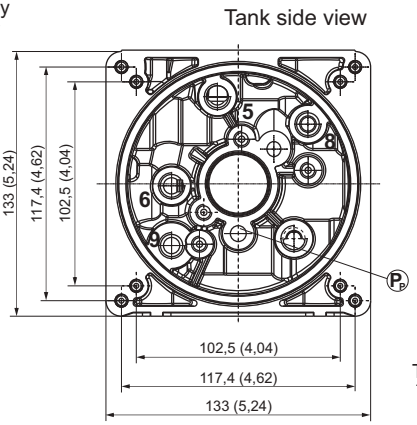
Type	Spare part code
UA	C30401000
UB	C30402000
U4	C30404000
UAUS	C30401010
UBUS	C30402010
U4US	C30404010

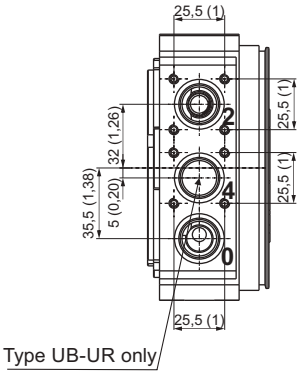


Weight: 1,2 kg (2,65 lb)

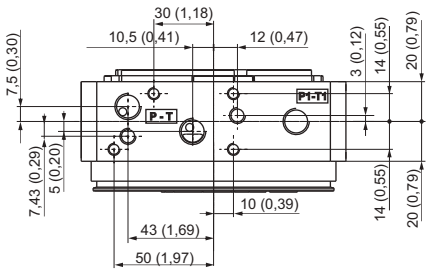
Notes:
- codes ending with **US** are according American standards, machined with 9/16-18 UNF (SAE06) P-T exit ports.
- all dimensions in mm (inches)

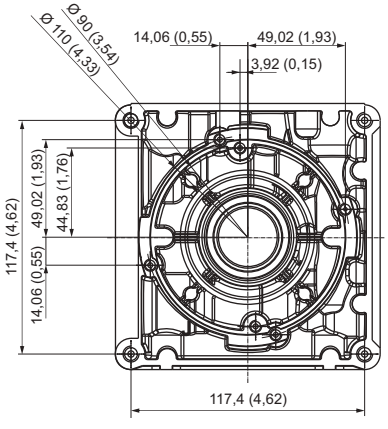






Cavity	Thread
0, 1, 2, 3, 4	3/4-16 UNF (SAE08)
P-T	1/4 BSP 9/16-18UNF (SAE06 - US type)
P_1-T_1	1/4 BSP (threaded on request only)
5, 6, 8, 9	1/4 BSP (cavity 9 threaded on request only)
External manifolds fixings	2 tie rods M8 4 tie rods M6 (UB type only)
Tank fixings	4 screws M6x14
Integral AC motors and B14 flanges fixings	4 screws M8x25
DC motors fixings	2 screws M6x14 or tie rods M6
Pumps fixings	2 screws M8 (see pump lenghts on the relevant tables)
Mounting Foot fixings	2 screws M10x18 3/8-16 UNC US type
PMC hand pump and CM lever valve fixings	4 screws M5x45





Motor side view