

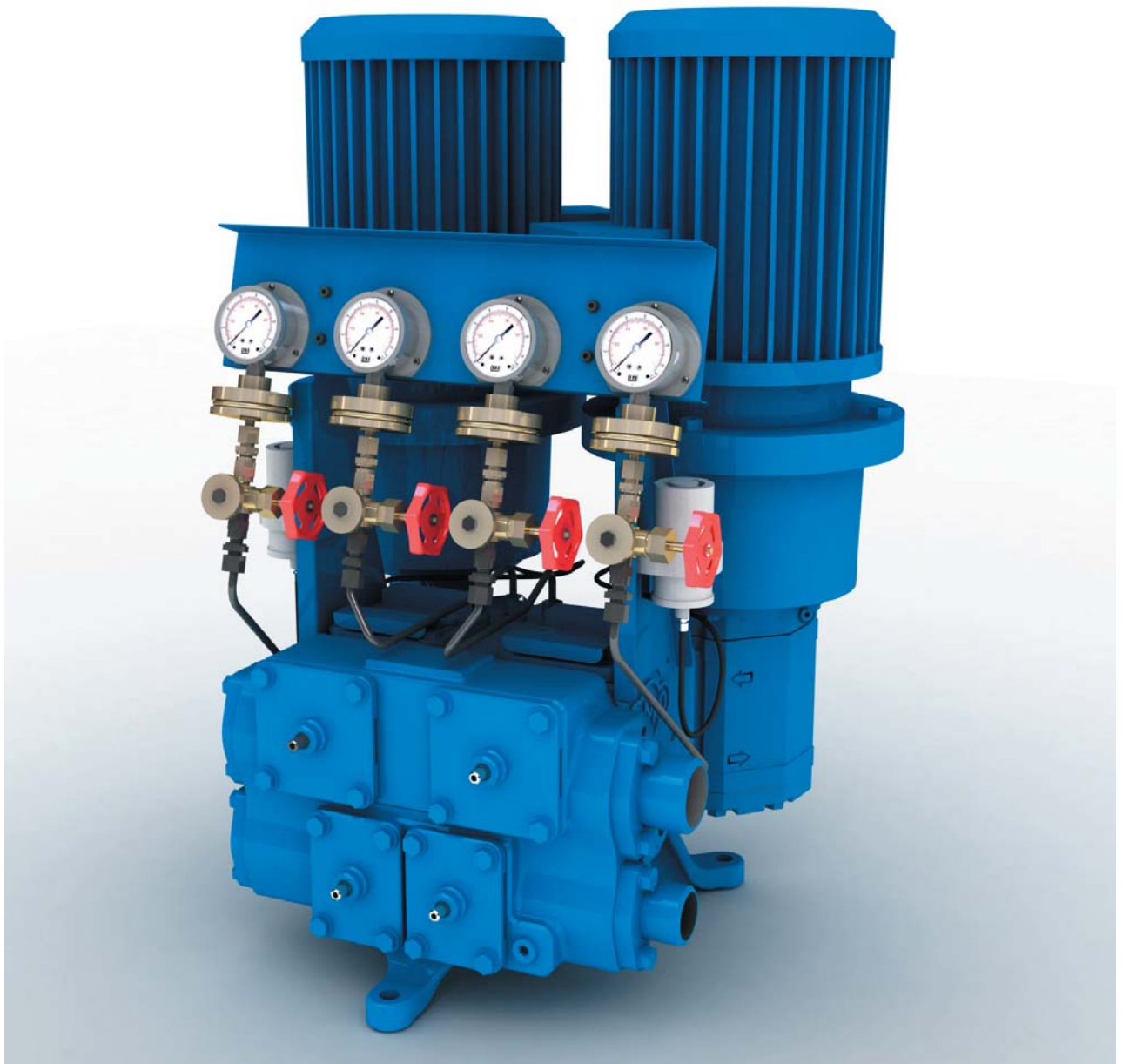


A Member of the
COLFAX PUMP GROUP

T5 Valve Block

For ACE Pump series

Product Description



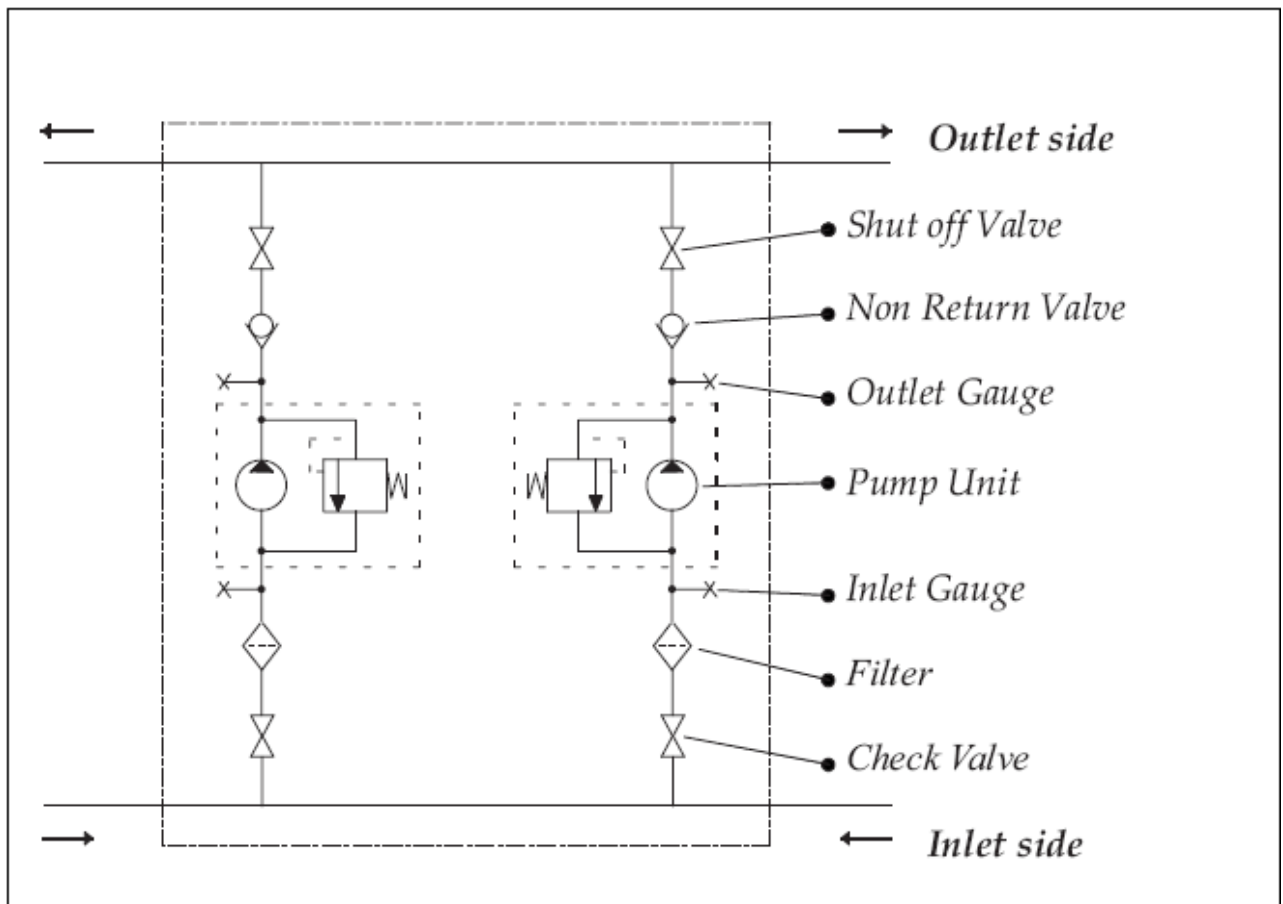
Valve block for dual pump installation

In all application where there is a demand for two pumps, either for redundancy or for operational reasons, a valve block is an option to save space and installation cost.

The valve block can be equipped with IMO ACE series of pumps that have a flow range up to 11 m³/h.

The valve block is a substitute for a number of components normally installed in a dual pump application such as:

- Welding joints
- Shut off valves on in and outlet side
- Non return valves
- Strainers
- Pressure gauge adapters



System drawing of the T5 Valve Block. In a conventional system each component has to be added manually

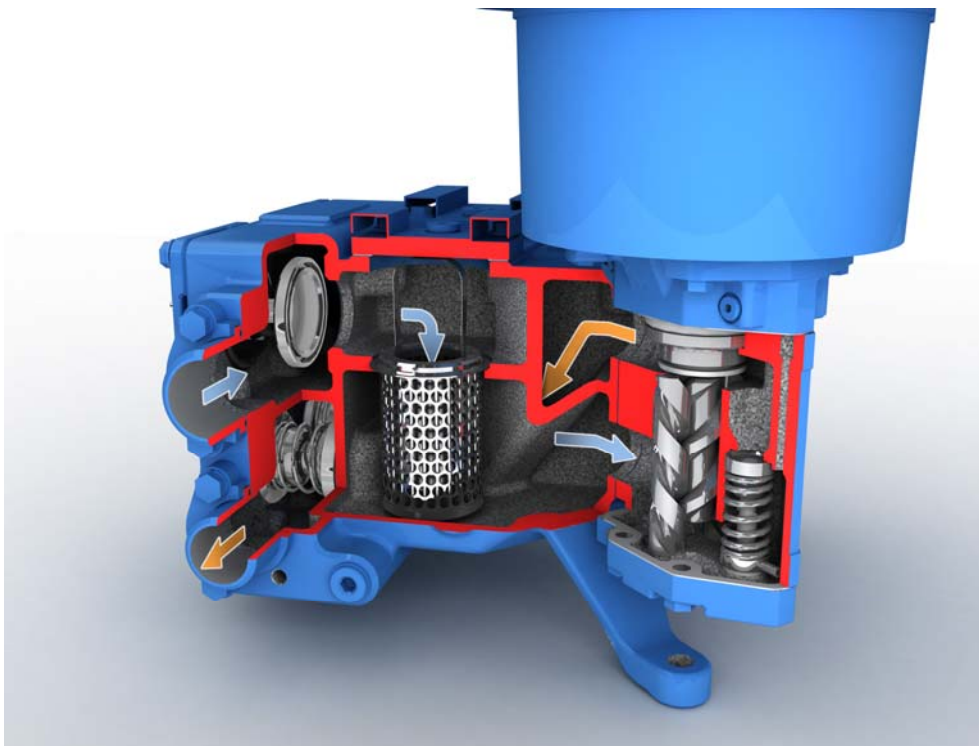
Function of the valve block

The block is equipped with inlet and outlet ports on both sides; hence there are several options for inlet outlet configurations. The valve block is delivered with one set of inlet - outlet flanges and one set of blind flanges.

The inlet and outlet chambers are equipped with a shut off valves regulated by an Allen key if one of the pumps or the filter has to be removed during operation. The shut off valves on the outlet side are a combined non return valve that prevents reversed flow through the non operating pump.

Before the inlet of the pump, flow passes through the filter chamber equipped with 500 μm strainers. The covers for the filter chambers are equipped with de-pressurizing plugs and a protection cover to avoid opening when the chambers are pressurized.

In the lower end there is a drainage plug to drain the valve block in case of service or inspection.

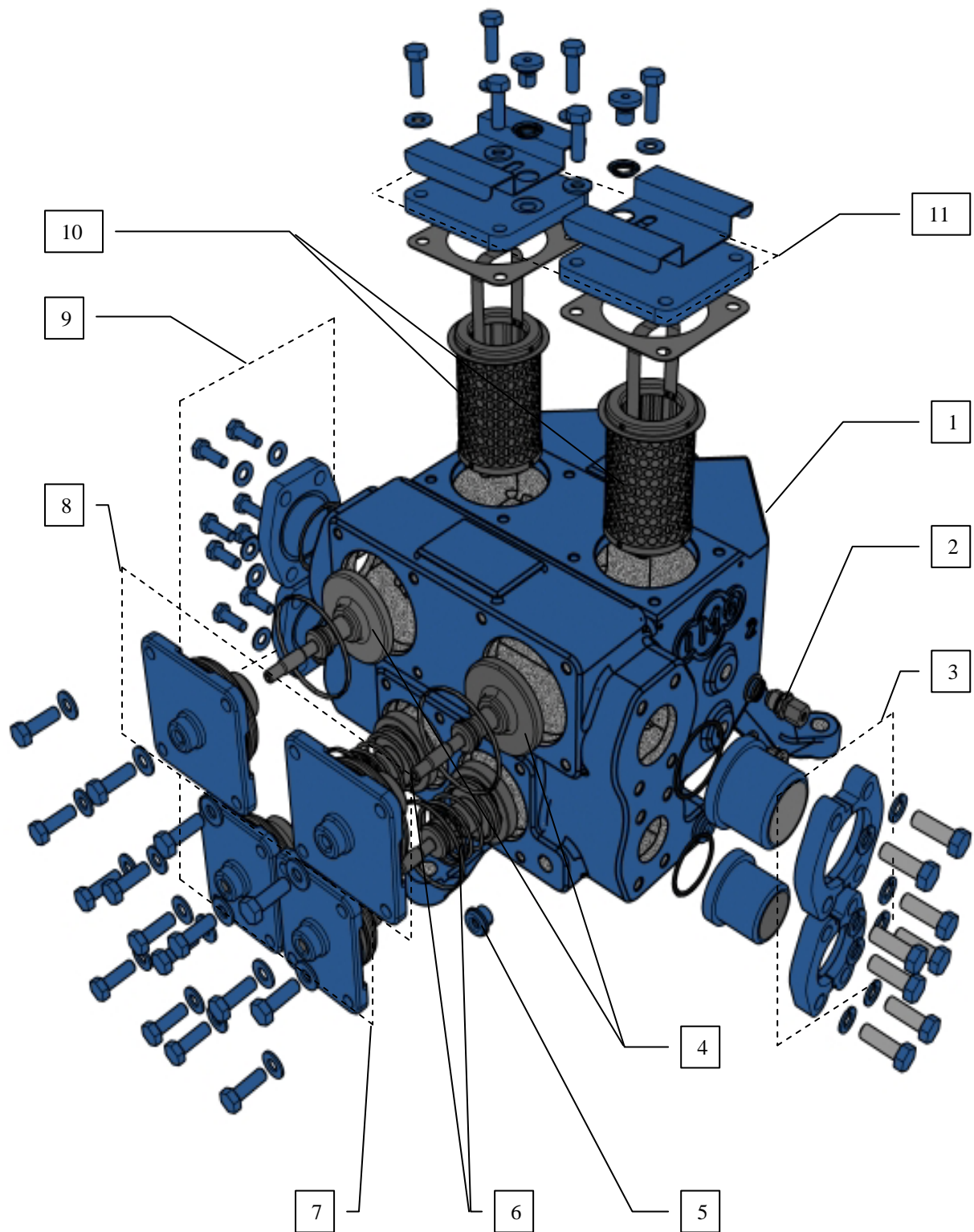


Cross section of the T5 Valve Block showing the inlet flow passing by the open shut off valve through the strainer and into the pump. From the pump the flow is transported to the outlet side where the combined shut off/non return valve is located.

Operating modes

1. One pump in operation and one in stand-by
2. Both pump are operating

The valve block can be equipped with different size pumps to full fill three flow demands; Low flow pump in operation, large flow pump in operation, both pumps in operation.



Components

1. Valve Block Body
2. Inlet pressure gauge adapter (Outlet pressure gauge on backside of block, not shown)
3. In and outlet flange set, including bolts, washers and o-rings
4. Shut off valves inlet side
5. Drainage plug
6. Combined shut off and non return valves, outlet side
7. Outlet valve covers, including bolts, washers and o-rings
8. Inlet valve covers, including bolts, washers and o-rings
9. Blind flanges for optional in and outlet position, including bolts, washers and o-rings
10. Filter baskets
11. Filter chamber covers, including bolts, washers, gaskets, plugs and protection plate

Accessories

Additional flange set

Pressure gauge panel set

- Panel stand
- 2 inlet pressure gauges and 2 outlet pressure gauges.
- Root valve or 3 way test valve
- Seal pot