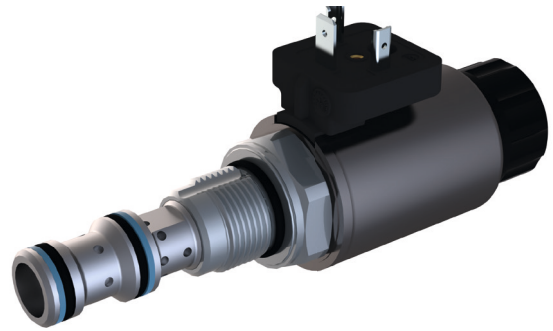
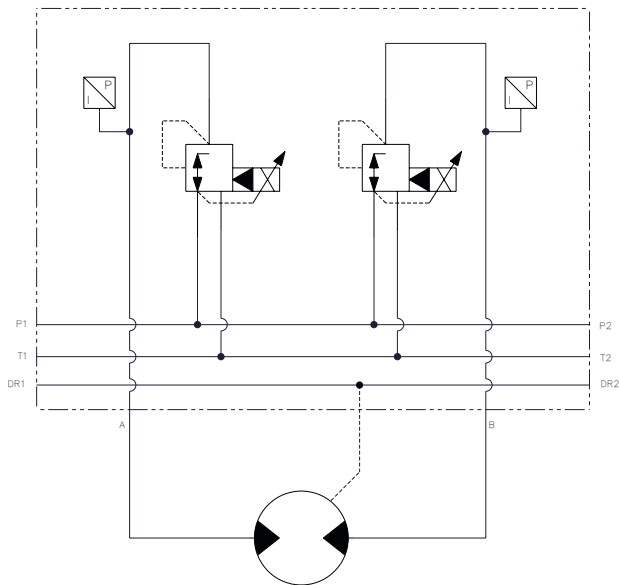


THRUSTER CONTROL



APPLICATION

By using Wandfluh proportional pressure reducing valves, fine thruster rotational speed can be achieved. High flow rates vs low delta P offer excellent levels of performance. Thruster rotation and speed can be finely controlled, and space requirements are kept to a minimum due to screw in cartridge design. Proportional pressure reducing valves offer infinitely adjustable rotational speed for thruster across flow requirements allowing vehicle positions to be finely tuned from user interface.

ADVANTAGES

High flow rates vs low delta P offer exceptional performance vs size. Screw in cartridge design allows for large oil galleries reducing energy consumption during operation. Contamination class requirement of 18/16/13 offers advantages from conventional servo valve control, leading to greater reliability and serviceability of subsea systems in demanding applications. Tested in the field on a wide range of fluid types, ensuring reliability and longevity in hydraulic systems. The thrusters will not rotate in air with our valves at rest, without the need for time consuming nulling of Servo valves offering many advantages in safety. Reliable control and performance, tested over decades in the field.

CHARACTERISTICS

- Range of sizes for screw in cartridges, from nominal flows of 20L/Min to 250L/Min
- Range of solenoid voltage and connector types to meet system requirements.
- Bespoke designs to offer the best solution.
- Pressure ranges of up to 350 Bar
- Cartridge valves offer best performance vs space envelope, ensuring system runs at optimal efficiency.
- High reliability
- Worldwide customer service and support