



FEATURES

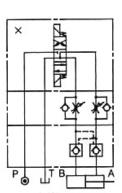
Modular type of pressure controls, flow controls, and check valves are sandwitched between directional control valves and their subplates or manifolds. They use no piping and share a common mounting surface, and are the ultimate in modern design, compactness and efficiency. They reduce the possibility of eakage, vibration, flow noise caused by piping. The compactness takes less space, ease the installation and maintenance.

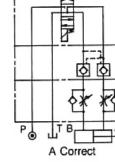
They are available in both D03 and D05 sizes.

CIRCUITRY EXAMPLES

Α.

Solenoid directional valve Pilot operated modular check valve (for A, B lines) Modular reducing valve (for B line)





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A.

When MT-***B and MPC-** W are used together in same circuit, the right circuit is correct usage, and left is wrong, as the MPC would not be totally closed.

в.

When MPR-***B and MT-***W are used together in same circuit, the right circuit is correct usage, and left is wrong, as the function of pressure reducing valve will be affected when oil flow from B to T. Because the metering out throttle/check valve will create a pressure which will cause pressure reducing valve to reduce the pressure too low, and the cylinder then can not operate with enough force or move smoothly.

C.

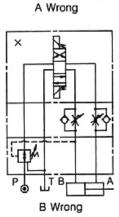
When MT-**W and MPC-**W are used together in same circuit, the MT should be installed closer to the cylinder ports, otherwise cylinder may have a "knocking" phenomenon happened.

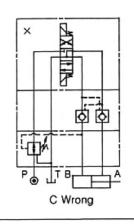
В.

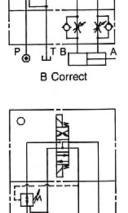
Solenoid directional valve Modular flow control valve (for A, B lines, metering out) Modular reducing valve (for B line)

C.

Solenoid directional valve Modular flow control valve (for A, B lines, metering out) Modular pilot operated check valve (for A, B lines)

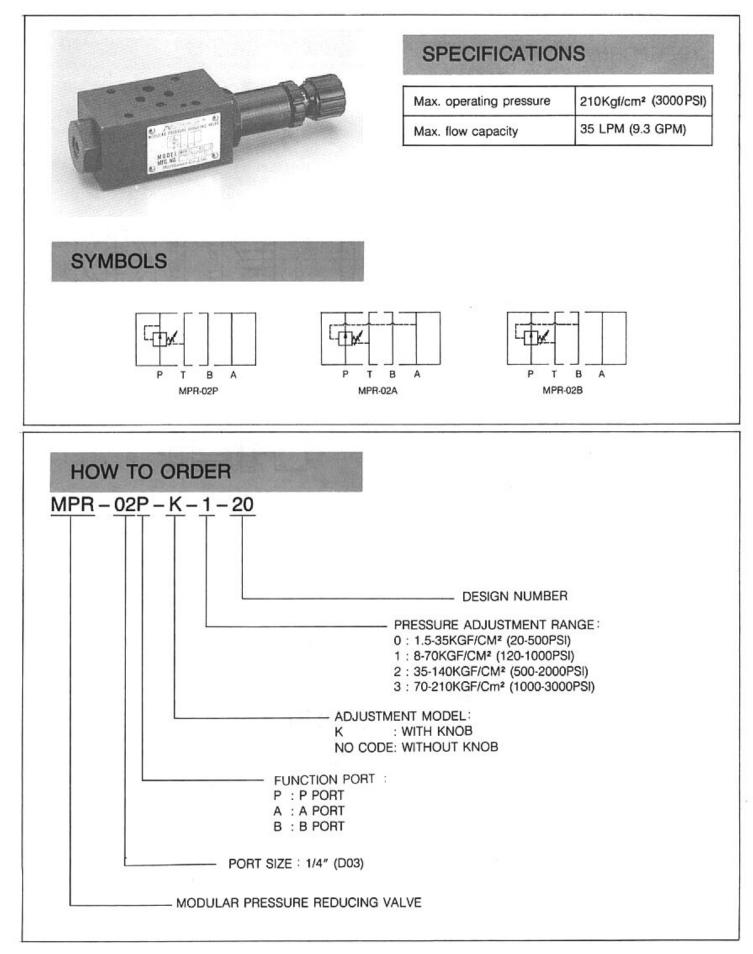






C Correct

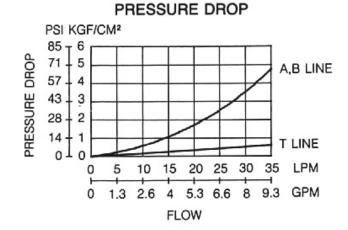


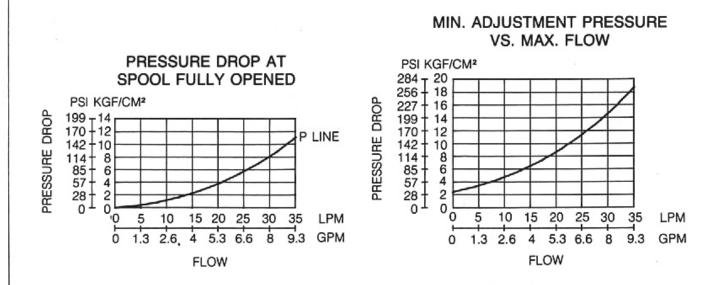


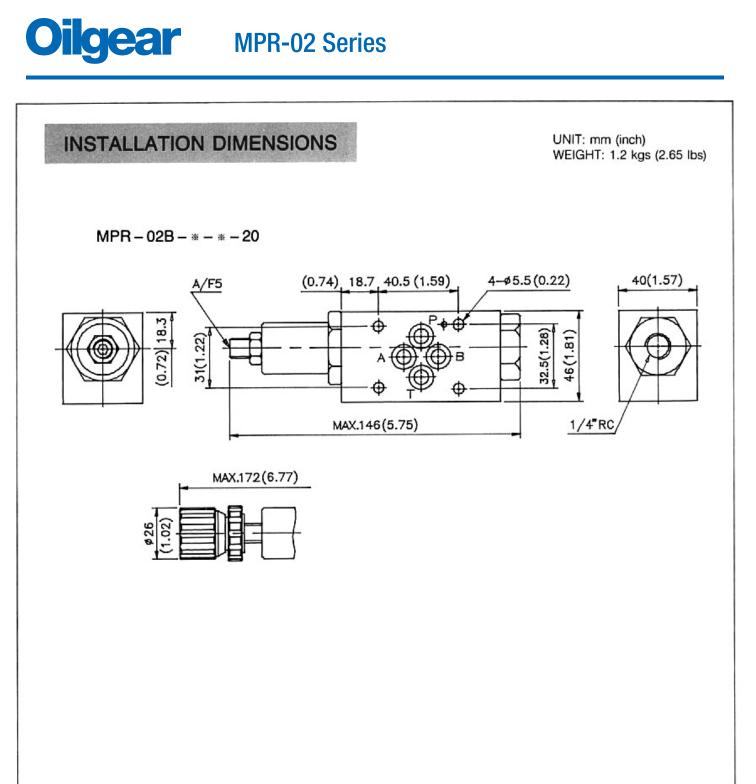


PERFORMANCE CURVES

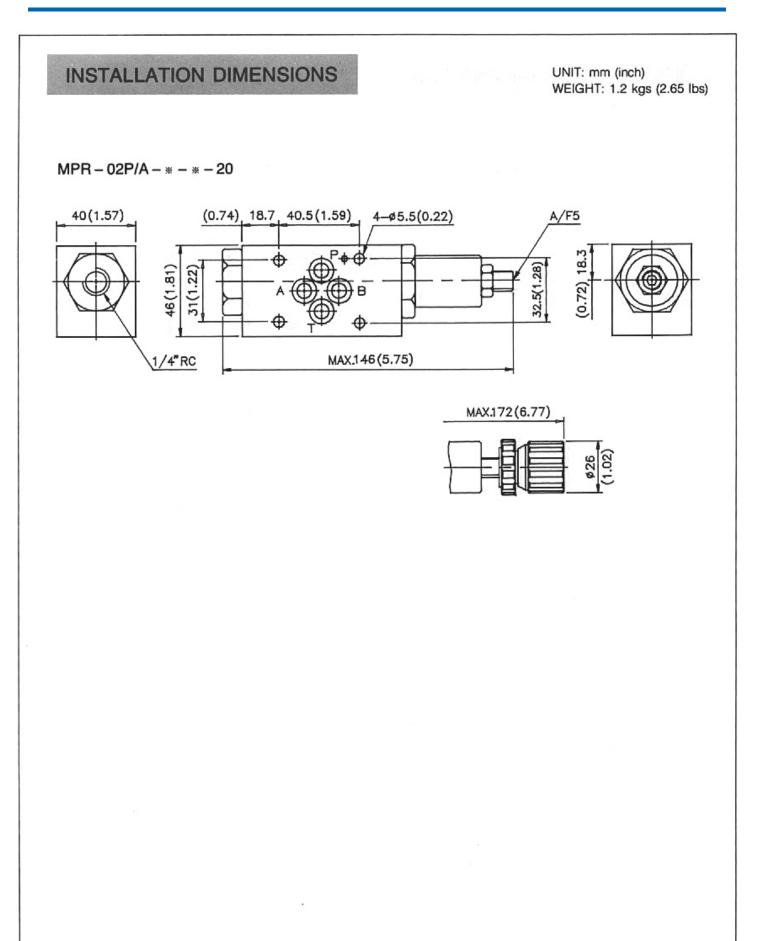
TEST CONDITIONS Viscosity: 35 CST Temperature: 50°C



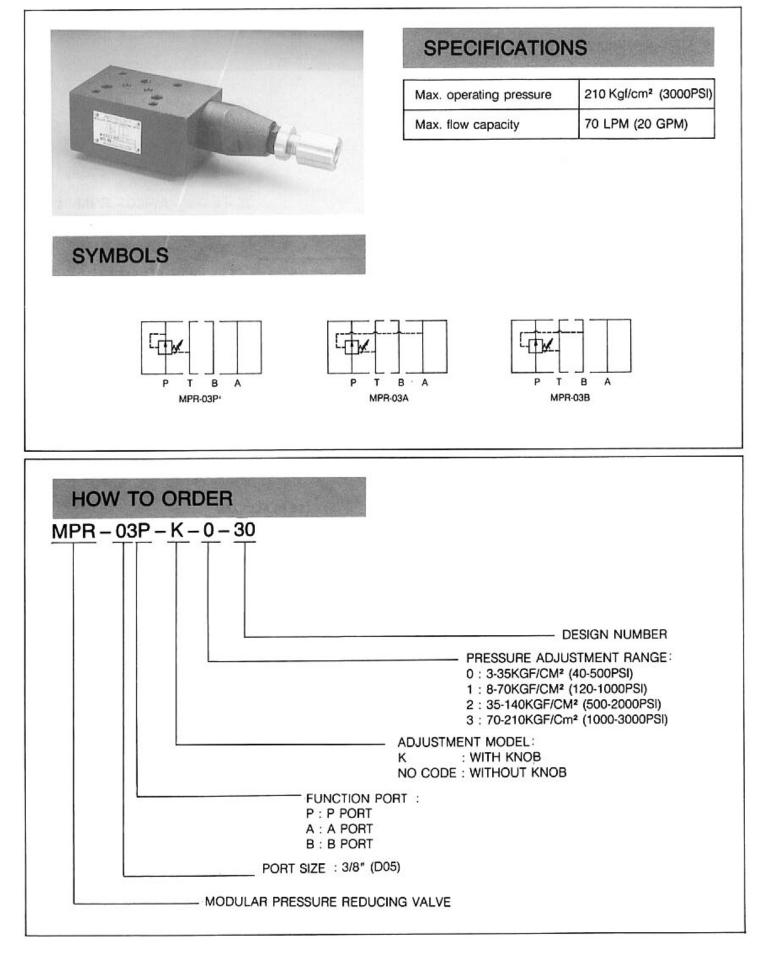








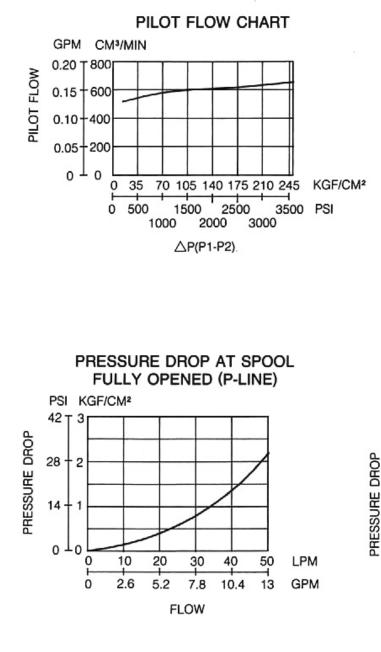




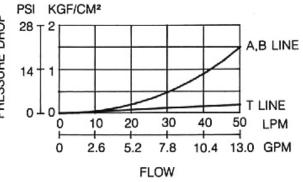




TEST CONDITIONS Viscosity: 35 CST Temperature: 50°C



PRESSURE DROP

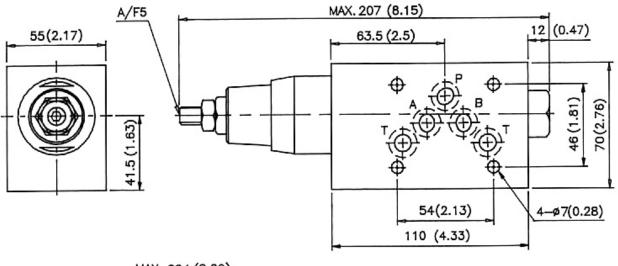


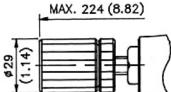


INSTALLATION DIMENSIONS

UNIT: mm(inch) WEIGHT: 3.4 kgs (7.5 lbs)

MPR-03P/A-*-*-30



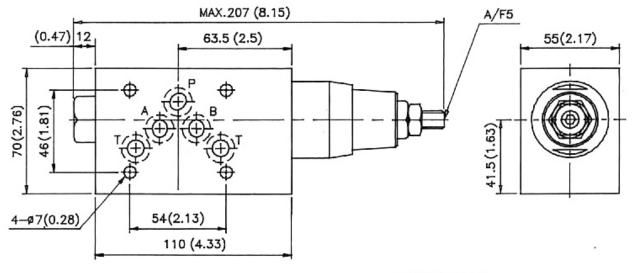


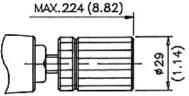


INSTALLATION DIMENSIONS

UNIT: mm (inch) WEIGHT: 3.4 kgs (7.50 lbs)

MPR-03B-*-*-30







MODULAR PRESSURE REDUCINGVALVE

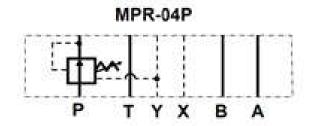
MPR-04 SERIES

The modular adjustable pressure reducing valve will ensure that the operating pressure in a branch of a hydraulic system will be maintained at a lower setting than that of the main system pressure. The valve functions on the P port and is internally drained. Adjustment is made with a calibrated knob, standard with the valve.

As a modular valve, this valve mounts between an NFPA D07 size directional control valve and the subplate. A longer than standard bolt kit is required when mounting modular valves in a stack. Refer to<u>bolt kits</u>.

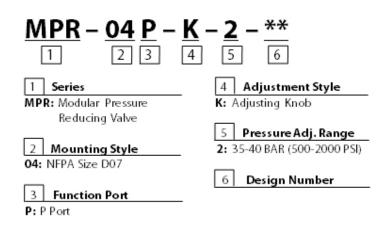


Symbols





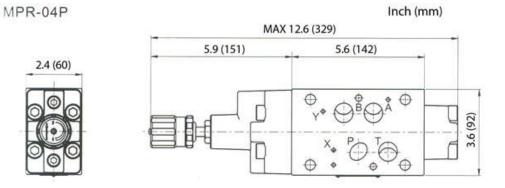
Model Code

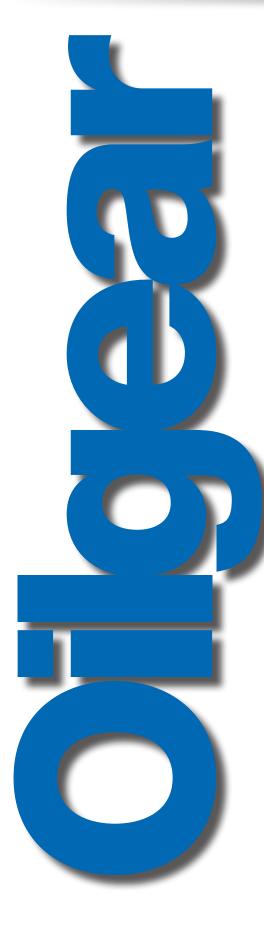


Features

Max. operating pressure	250 BAR (3675 PSI)
Max. flow capacity	190 LPM (50 GPM)

Dimensions





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Para obter informações adicionais sobre seu aplicativo ou sobre os produtos referenciados neste manual, entre em contato com a Oilgear mais próxima. Acesse o website da Oilgear para obter uma relação completa de nossos endereços.