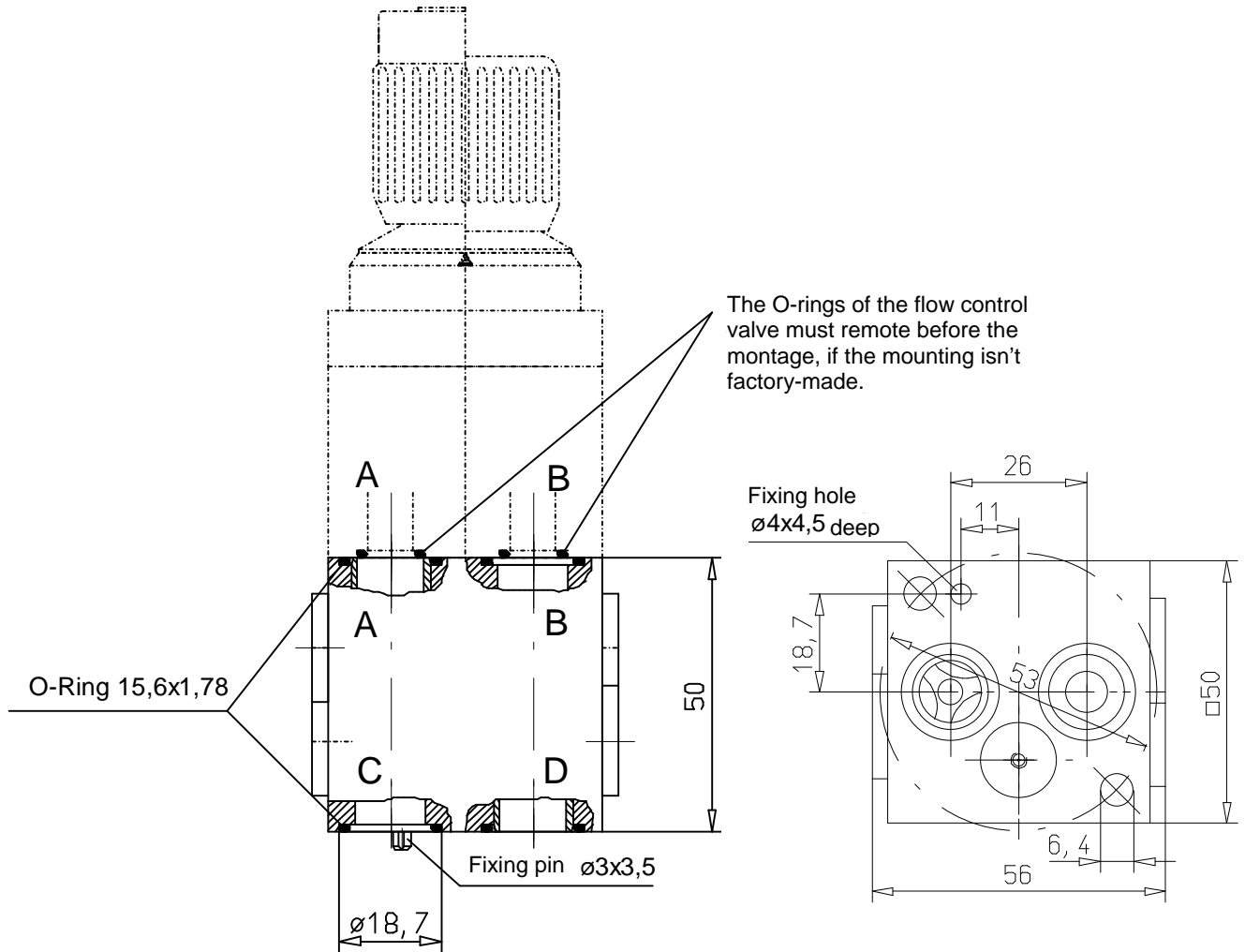


Flow rectifier valves cause a diversion of the oil flow. Therefore, the control direction of a liquid flowing through the 2-way flow control valve is always the same when controlling the speed. It does not matter whether the pressure liquid flows towards the consumer or returns.

The flow rectifier plate as intermediate plate-element is made to used with our 2-way flow control valve with Schiedrum mounting surface NG8.

FEATURES

- tapered check valve with flexible seal
- sealing material Buna N (NBR)
- intermediate plate - valve
- mounting surface according to schiedrum internal standard



ORDER INFORMATION

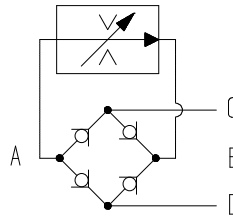
The O rings for sealing the connection holes are part of the scope of supply.

Name	Flow rectifier plate	71	B	Z	M15
Types					
Series code letter					
Intermediate plate - valve					
Supplementary data for special design					
e. g. special sealings of Viton (FKM) = M15					

CHARACTERISTICS

1. General

Symbol



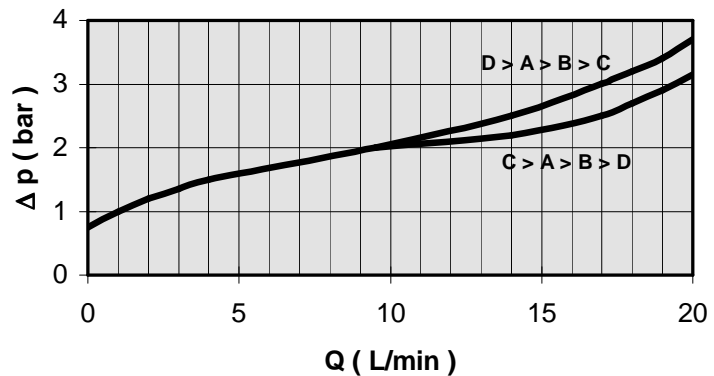
Design Spring-loaded tapered check valve
Weight 1 kg
Mounting position any
Direction of volume flow C to A, B to D or D to A, B to C
Ambient temperature range -25°C to +80°C

2. Hydraulic characteristic

Rated pressure max. pressure 210 bar for all connections
Opening pressure approx. 0,5 bar
Hydraulic fluid Hydraulic oil according to DIN 51 524 (1,2)
Hydraulic fluid temperature range +10°C to +80°C
Range of viscosity 5 - 350 mm²/sec
max. Permitted volume flow 20 l/min
Contamination level /filtering general permissible class 19/16 according to ISO 4406 or 10 according to NAS 1638 (recommended filter: min. retaining rate $\beta_{20} \geq 75$)

Δp -Q-characteristic; $\Delta p = f(Q)$

This figure shows the total pressure loss as a function of the volume flow.



Description of the valve

1. Valve

The flow rectifier valve is used when controlling the speed of the consumers in both directions by means of a 2-way flow control valve. With the same flow valve setting, the same speed is obtained for both directions. Here, one direction is primary-controlled and the other one secondary-controlled.

The construction of the rectifier plate consists of a combination of four check valves, which are arranged to form the so-called „Graetz circuit“. The check valves are equipped with a flexible seal in the closing direction and with a valve lift stop in the opening direction so that on one hand a perfect tightness and on the other hand free outlet port is always guaranteed. Thus, the control of even the smallest volume flows will not be tampered.

2. Material

The valve parts are mainly made of engineering steel. The external valve parts are burnished, the interior parts are partly burnished, phosphates or galvanized.

For applications in excess of the given specification, please contact Schiedrum.

All specified parameters are partially based on long user's experience and partly on measurements made in laboratories. The data are typical of the valve and can deviate in series. All measurements were carried out on a test stand with an oil viscosity of 36mm²/sec and a filter mesh of < 10 μm. All data given here should be used as description of the product only and they are not to understand as warranty in the sense of law.