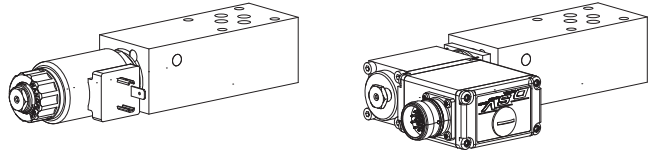


**Proportional 3-way flow control valve**  
**Flange- and sandwich construction**

- Direct operated, pressure compensated
- $p_{max} = 350 \text{ bar}$

**NG6**  
 ISO 4401-03



#### DESCRIPTION

Direct operated, pressure compensated proportional flow control valve in flange- and sandwich construction. Proportional flow control screw-in cartridges M22x1,5 acc. to ISO 7789 are installed. The flange body is painted, the sandwich plates are phosphatised.

#### FUNCTION

The 3-way flow control valve is designed to keep the oil flow to any actuator constant irrespective of the load.

#### APPLICATION

Proportional 3-way flow control valves are used where the supply volume flow has to be kept constant even when the load fluctuates. Depending on the application, a distinction is made between restricting the forward flow or the return flow.

#### TYPENSCHLÜSSEL

Flow control valve	Q	D	<input type="checkbox"/>	<input type="checkbox"/>	A06 -	<input type="checkbox"/>	-	<input type="checkbox"/>	#	<input type="checkbox"/>
3-way-construction										
Proportional										
Proportional with integrated electronics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flange construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sandwich construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
International mounting interface ISO, NG6										
Type list / Function:										
Flange, flow control from A to B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sandwich, meter-in flow control in P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nominal volume flow level, etc.: see data sheet of the installed screw-in cartridges										
Examples:										
QDPFA06 - A/B -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QDVSA06 - P -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design-Index (Subject to change)										

#### GENERAL SPECIFICATIONS

Description	Proportional 3-way flow control valve
Nominal size	NG6 acc. to ISO 4401-03
Construction	Flange- and sandwich construction
Operations	Proportional solenoid
Mounting	4 holes for socket cap screws M5 or studs screws M5
Connection	Threaded connection plates Multi-flange subplate Longitudinal stacking system
Weight (without screw-in cartridge)	• Flange type $m = 1,10 \text{ kg}$ • Sandwich type $m = 1,30 \text{ kg}$

**SCREW-IN CARTRIDGES INSTALLED**

The following screw-in cartridges are used in either the flange body or the sandwich body:

Typ	Bezeichnung	Datenblatt Nr.	Qmax*
QDPPM22	3-way-construction	2.6-644	40 l/min
QDPPM22 **	3-way-construction	2.6-645	40 l/min
QDVPM22	3-way-construction, with integrated electronics	2.6-646	40 l/min

\* Can deviate from the values on the data sheets of the screw-in cartridges.  
 \*\* Do not use anymore for new applications.


**REMARK!**

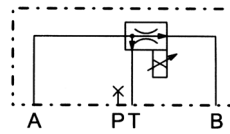
Detailed performance data and additional hydraulic and electric specifications may be drawn from the data sheets of the corresponding installed screw-in cartridge.


**CAUTION!**

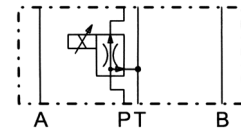
The performance data especially the „**pressure-flow-characteristic**„ on the data sheets of the screw-in cartridges refer to the screw-in cartridges only. The additional pressure drop of the flange body respectively sandwich body must be taken into consideration.

**TYPE CHARTS**

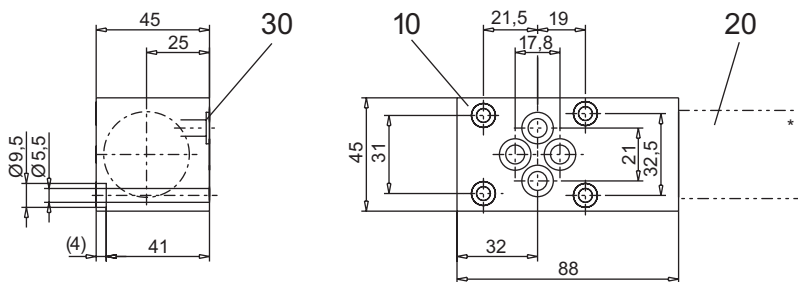
QD.FA06-A/B



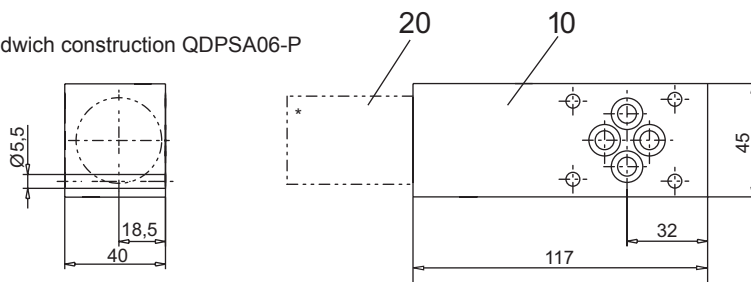
QD.SA06-P


**DIMENSIONS**

Flange construction QD.FA06-A/B



Sandwich construction QDPSA06-P



\* The envelop dimensions of the screw-in cartridge are shown on their corresponding data sheets.

**PARTS LIST**

Position	Article	Description
10	134.6208	Flange body
	134.6645	Sandwich plate P
20	650.3...	Screw-in cartridge
30	160.2093	O-ring ID 9,25x1,78

**ACCESSORIES**

Proportional amplifier

register 1.13

Technical explanation see data sheet 1.0-100