

Pressure Relief Valve DBGT-1X/100VP1-673 - Bosch Rexroth R900557231

Item no. BRR-R900557231

Manufacturer Bosch Rexroth

In a low pressure circuit resolution decides, not peak pressure. The DBGT-1X/100VP1-673 limits up to the 100 bar rating, spreads the command range across it and still passes 600 l/min, with motorised adjustment on a 24 VDC supply.

TECHNICAL DATA

Country of Manufacture **Germany**

Weight **0.1 kg**

Zolltarifnummer **84812010**


STANDARDS & COMPLIANCE

EN 43651

DESCRIPTION

A valve rated at 315 bar controls only coarsely at 40 bar working pressure. The DBGT-1X/100VP1-673 therefore uses the 100 bar rating and makes the lower range finely adjustable, at a flow of up to 600 l/min.

BENEFITS

- The 100 bar rating gives clearly finer resolution in the low pressure range.
- A motor adjusted limiting pressure follows the command value of the external electronics.
- 600 l/min flow even though the set pressure stays low.
- A pilot operated poppet seat limits leakage in the closed state.
- Build code 100VP1 for targeted replacement in the installed base.
- 5.3 kg mass, FKM seals, supplied at 24 VDC.

TECHNICAL DATA

Max. flow 600 l/min

Product family DBG

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Type of connection	Subplate mounting
Supply voltage	24 VDC
Number of switching positions	2
Hydraulic fluid	HL
Number of ports	2
Electrical connection description	Mating connector, 6-pole (5 + PE) according to EN 43651
Spool symbol	A to B, X to Y
Operating pressure, max.	315 bar
Seals	FKM
Electrical connector	Connector, 7-pole (6 + PE)
Type of actuation	Electrical with external electronics
Weight	5.3 kg

APPLICATION

The valve serves cooling and lubrication circuits, counterholding circuits and test rigs at low working pressure. Maximum operating pressure of the port stays at 315 bar, while control only reaches the rating. Keep that split in mind when ordering spares.

MANUFACTURER

Bosch Rexroth, material number R900557231.