

BENCOR (Pty) Ltd.

Seated valves

HAWES
HYDRAULIK

Directional seated valves type BVG and BVP

The directional cone seated valves types BVG and BVP are 2/2- and 3/2-way directional valves which are available in three sizes. All ports are equally pressure resistant due to an internal, static pressure balance. These valves are either prepared for pipe connection (type BVG) or for mounting on a manifold (type BVP).

The various types of actuation ensure a wide field of application for these valves.

Additional elements (e.g. screw-in orifices, restrictor check valves) incorporated in the valve body allows tailoring of the valve to special requirements of the customer's.



Nomenclature: Directional seated valve, leakage free

Design: Individual valve for pipe connection
Individual valve, manifold mounting

Actuation: Solenoid
Hydraulic
Pneumatic
Manual

P_{max} : 320 bar

Q_{max} : 12 ... 50 l/min

Basic types and general parameters

Basic type and size		Flow	Oper. pressure	Tapped ports	Flow pattern		
Individual valve for pipe connection	Manifold mounting valve	Q_{max} (l/min)	p_{max} (bar)	A, B, C ²⁾	R	S	Z
BVG 11	BVP 11	12	320	G 1/4			
BVG 12		20 ¹⁾	320 ¹⁾	G 3/8			
BVG 1	BVP 1	20	400	G 1/4, G 3/8			
BVG 2	BVP 2	20	320	G 3/8			
BVG 3	BVP 3	50	320	G 1/2			

Actuations

	Available for	Actuation parameter	Flow pattern
electric	all type	solenoid voltage: 12V DC; 24V DC; 230V AC 50/60 Hz	
hydraulic	only BVG 11(12) BVP 11	control pressure: $P_{contr min} = 24$ bar $P_{contr max} = 320$ bar	
pneumatic	BVG 3 BVP 3	control pressure: $P_{contr min} = 2 \dots 3,5$ bar $P_{contr max} = 15$ bar	
manual	only BVG-11R BVG-12R	actuation moment max. 70 Ncm	

¹⁾ with electrical actuation:
20 l/min up to 200 bar
12 l/min up to 320 bar and $\leq 80\%$ ED
²⁾ with type BVG