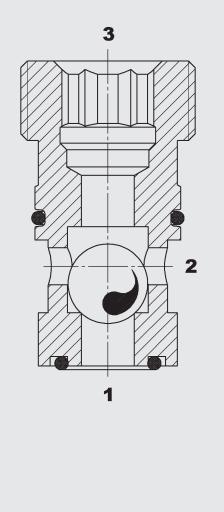


up to 70 l/min up to 350 bar

FUNCTION



The shuttle valve WVE is a ball poppet shut-off valve.

It has two inlets (port 1 and 3) and one outlet (port 2). The inlet with the higher pressure pushes the closing element towards the other inlet. The inlet with the higher pressure is therefore always automatically connected to the outlet, and the other inlet is shut off. **Shuttle Valve 3-Way Cartridge – 350 bar** WVE-R1/8 to R1/2

FEATURES

- For safe and leak-free shut-off
- Choice of three sizes for optimum adaptability to the system
- Space-saving installation

SPECIFICATIONS*

Operating pressure:	max. 350 bar		
Nominal flow:	Type R1/8 = max. 10 l/min Type R1/4 = max. 20 l/min Type R1/2 = max. 70 l/min		
Media operating temperature range:	min20 °C to max. +120 °C		
Ambient temperature range:	min20 °C to max. +120 °C		
Operating fluid:	Hydraulic oil to DIN 51524 Part 1, 2 and 3		
Viscosity range:	min. 2.8 mm²/s to max. 800 mm²/s		
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner		
MTTF _d :	150 - 1200 years, according to DIN EN ISO 13849-1		
Installation:	No orientation restrictions, preferably horizontal		
Materials:	Valve body: high tensile steel Ball: roller bearing steel Seals: FKM		
Cavity:	03030, 05030, 08730		
Weight:	WVE-R1/8 = 0.005 kg WVE-R1/4 = 0.012 kg WVE-R1/2 = 0.045 kg		

EN 5.173.1.4/03.22

see "Conditions and instructions for valves" in brochure 53.000

MODEL CODE

<u>WVE - R1/4 - 01 X</u> **Basic model** Shuttle valve Cartridge size R1/8 = 1/8" R1/4 = 1/4"R1/2 = 1/2" Other thread sizes on request

Туре

= standard (phosphated) 01

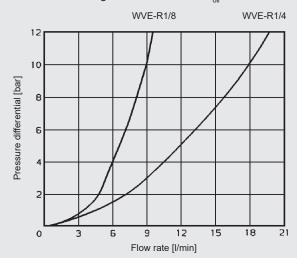
Series

(determined by manufacturer)

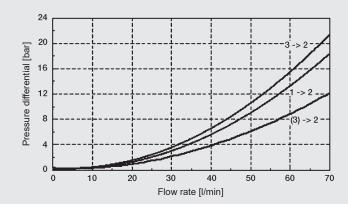
Standard models			
Model code	Part No.		
WVE-R1/8-010	710125		
WVE-R1/2-010	3467544		
Other models on request			
Seal kits Code	Part No.		
	Part No. 715879		
Code			

TYPICAL PERFORMANCE

Pressure differential Δp against flow rate Q, measured at constant flow setting ν = 36 mm²/s and T_{_{oil}} = 40 °C

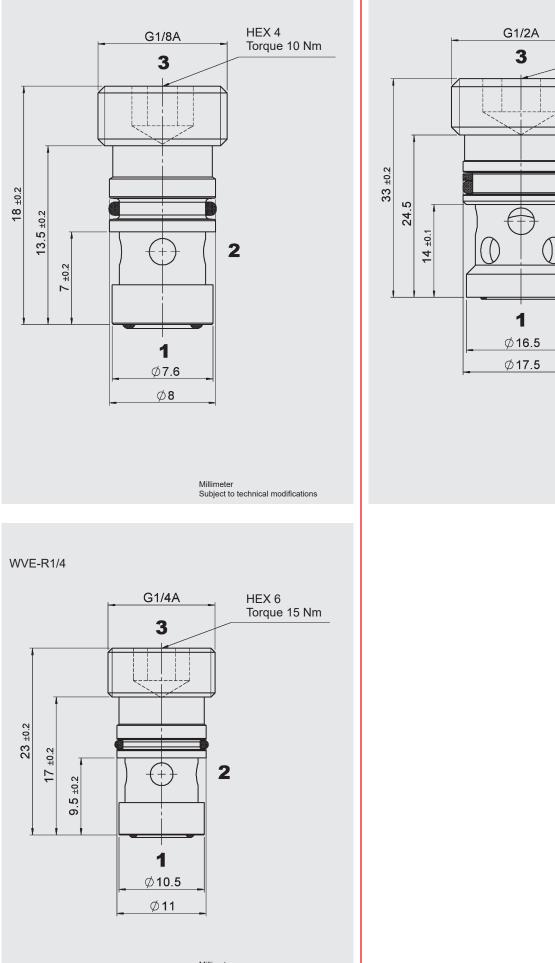


Pressure differential Δp against flow rate Q, measured at constant flow setting ν = 33 mm²/s and T_{_{oil}} = 46 °C WVE-R1/2



DIMENSIONS

WVE-R1/8



WVE-R1/2

Millimeter Subject to technical modifications

HEX 10

2

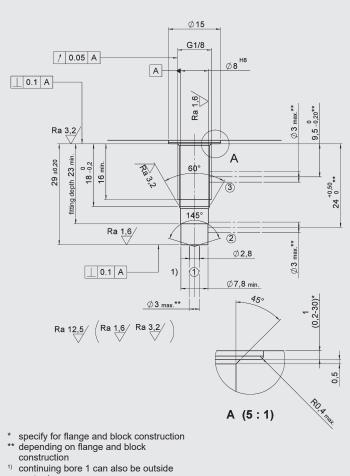
Millimeter Subject to technical modifications

Torque 20 Nm

EN 5.173.1.4/03.22

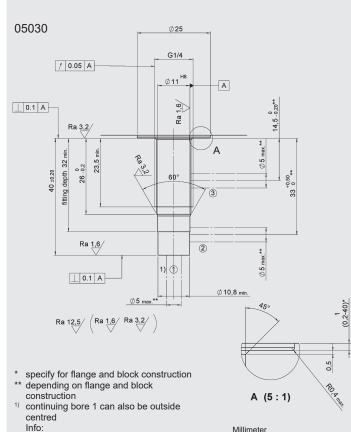
CAVITY

03030

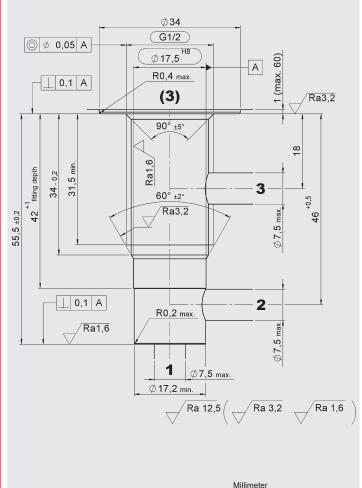


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Millimeter Subject to technical modifications







Subject to technical modifications

Form tools

Tool	Cavity / Part No.			
	03030	05030	08730	
Countersink	171856	171857	179632	
Reamer	1000747	1000754	In preparation	
Тар	1002671	1002670	In preparation	
Plug gauge	_	159565	In preparation	

NOTE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

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Cavity G 1/4 for Alu processing