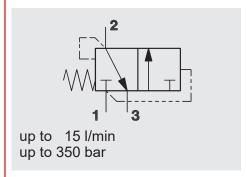
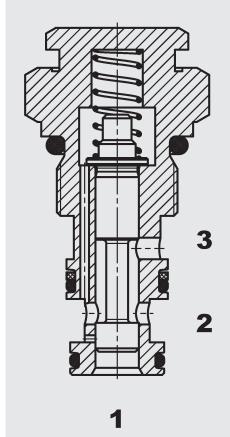


# PAC INTERNATIONAL



## 3/2-Directional Spool Valve **Hydraulically operated Direct-acting Metric Cartridge – 350 bar** WKH05330

#### **FUNCTION**



The spool valve is a hydraulically operated, 3/2-directional valve. Pump port 1 is closed in the normal position. There is free flow through the valve from port 2 (consumer) to port 3 (tank) (pressureless circulation).

With an increase in pressure at port 1 (hydraulic operation) against the spring force, the valve opens from pump port 1 to port 2 after exceeding the switching pressure. Ttank port 3 is then closed.

A pressure at port 3 is added to the necessary switching pressure defined by the spring at port 1.

#### **FEATURES**

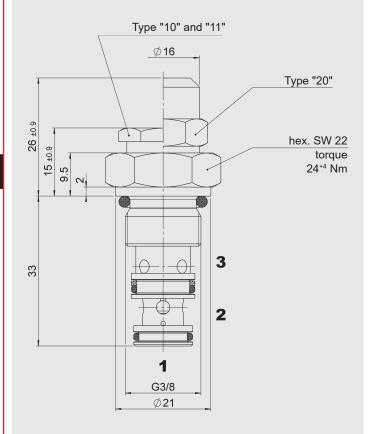
- Excellent stability throughout the entire flow range
- Variants with different switching pressures available
- Exposed surfaces zinc-nickel plated for increased corrosion protection (1.000 h Salt spray test)

#### SPECIFICATIONS\*

Operating pressure:	max. 350 bar	
Nominal flow:	max. 15 l/min	
Internal leakage:	max. 120 cm³/min at 350 bar and 36 mm²/s	
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. 10 mm²/s to max. 420 mm²/s	
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner	
MTTF <sub>d</sub> :	150 - 1200 years, according to DIN EN ISO 13849-1	
Installation:	No orientation restrictions	
Material:	Valve body:	free-cutting steel
	Spool:	hardened and ground steel
	Seals:	FKM
	Back-up rings:	PTFE
Cavity:	05330 metric	
Weight:	approx. 0.065 kg	

<sup>\*</sup> see "Conditions and instructions for valves" in brochure 53.000

EN 5.995.1.3/09.20



millimeter subject to technical modifications

#### **CAVITY** Metric 05330 ⊕ Ø 0,05 A B PD Ø 14 H8 EX ⊕ Ø 0,05 A B □ 0,02 Α 22,7 35,5 ±0,5 33,5 ±0,5 fitting depth 32,7 Rz 6,3 Rz 6,3 X5:1 Rz2 6,3 Ø12 \*\*\* Ø 13 H8 GP Ф Ø 0,05 A B ACS ⊕ Ø 0,05 A B Ra 6,3 ( Rz 6,3 Rz 10 Ø 19,15 ±0,05 R0,2 ±0,2 VE = Visual Examination R0,15 ±0,05 Allowed drilling zone (for manifold design) Sharp edges should be avoided by rounding to a radius of 0.1 mm to 0.2 mm largest pre-drilling diameter (nominal tool diameter)

#### Form tools

Tool	Part No.
Countersink	170040
Reamer	1014203

millimeter subject to technical modifications

#### **TYPENSCHLÜSSEL**

**Basic model** Directional valve, hydraulically operated WKH05330 - 10 X

#### Type to switching pressure

10 = 2.5 bar spring pressure 11 = 6 bar spring pressure 20 = 20 bar spring pressure

#### Series

determined by manufacturer

#### Standard models

Model code	Part No.
WKH05330-10X	710273
WKH05330-11X	710272
WKH05330-20X	3341739

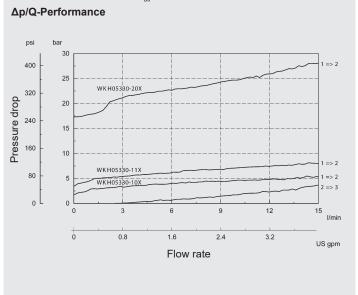
Other models on request

#### Seal kits

Code	Part No.
WKH05330-XXXFPM	3006592

### TYPICAL PERFORMANCE

Measured at  $v = 34 \text{ mm}^2/\text{s,T}_{oil} = 46 \text{ }^{\circ}\text{C}$ 



#### 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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