

Proportional pressure relief valves direct operated

RA 18 139-03/10.03 1/10

Model KBPS.9

Pilot valve
T-8A cavity
Maximum operating pressure 5076 PSI (350 bar)
Maximum flow 0.53 GPM (2 L/min)



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Features

- Direct operated valves for limiting a system pressure
- Operated via a proportional solenoid
- Proportional solenoid with central thread and removable coil
- Cartridge valve
- Control electronics VT-MSPA1-1-1X
- The command value-pressure characteristic curve can be finely tuned externally on the control electronics

Ordering details

KBPS		9	A	A / H	C	G24	K4	V	*
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Direct operated directional spool valve, electrically operated

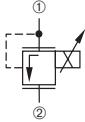
Pressure stage

Up to 725 psi (50 bar)	= C
Up to 1450 psi (100 bar)	= F
Up to 2900 psi (200 bar)	= K
Up to 4569 psi (315 bar)	= P
Up to 5076 psi (350 bar)	= R

Solenoid Ø 45 mm = 9

With a 0 command value the lowest settable pressure is set = A

Series = A

Cavity ¹⁾	Pressure 5076 PSI (350 bar)	Symbols
	q _v = GPM (L/min)	
T-8A	0.53 (2)	

¹⁾ See page 10

²⁾ Without plug-in connector! Plug-in connectors must be ordered separately (see page 5)

Further details in clear text

V = FKM seals suitable for mineral oil (HL, HLP) to DIN 51 524
Further pressure fluids details on request

K4 = ISO 4400 without plug-in connector ²⁾

G24 = Control electronics power supply 24 V DC

C = Pressure fluid within the inner chamber of the proportional solenoid. The inner chamber is connected with port ②

H = High performance and a T-xxA cavity

Function, section, symbols

Technical data (for applications outside these parameters, please consult us!)

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Characteristic curves

(measured with HLP46, $\vartheta_{oil} = 104\text{ °F (40 °C)} \pm 41\text{ °F (5 °C)}$ and 24 V coil)

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(measured with HLP46, $\vartheta_{\text{oil}} = 104 \text{ °F (40 °C)} \pm 41 \text{ °F (5 °C)}$ and 24 V coil)

Characteristic curves

(measured with HLP46, $\vartheta_{oil} = 104\text{ °F (40 °C)} \pm 41\text{ °F (5 °C)}$ and 24 V coil)

Unit dimensions: dimensions in inches (millimeters)



T-8A cavity; 2 ports; thread M16 x 1.5-6H: dimensions in inches (millimeters)

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Subject to change.