



Data Sheet

Full Flow Cut-off Valve PVSKM 32 Module



The PVSKM full flow cut-off valve is developed to comply with the new functional safety standards.

PVSKM is a cost effective way to implement a redundant hydraulic architecture for category 2 or 3 safety functions.

Applying PVSKM in a PVG valve will offer two independent hydraulic cut-off possibilities for flow to work functions.

PVSKM can be placed anywhere in the PVG valve stack to close down the entire valve group or just a part of it, depending on the position.

One or more PVSKM valves can be placed in the PVG32 valve to make the system redundant.

Features

- Full flow cut-off valve
- Rated flow P – PVG:
 - OC systems: 80 l/min [17,5 US gal/min]
 - CC systems: 120 l/min [26 US gal/min]
- Spools available with various HPCO flow
- Pressure rating 350 bar [5076 psi]
- Interfaces into PVG 32 valve group like PVB module
- Available with and without T0
- Controllable with any PVE, PVM or PVH
- Same PVSKM can be used in OC and CC systems
- Prepared for standard mounting
- One or more PVSKM can be mounted in series to make system architecture redundant
- PVSKM is an addition to the existing PVSK valve program

Available modules

Description	Code No.	
	G ^{3/4} port	SAE 1 1/16 UN port
Module without T0	11117252	–
Module with T0	11099469	11107369

Available main spools

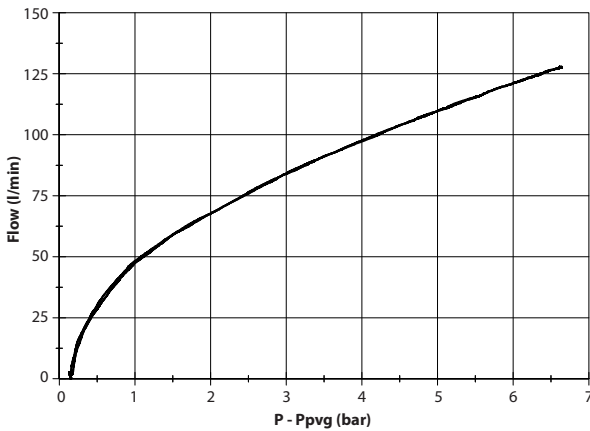
Description	Code No. according to HPCO flow		
	40 l/min	100 l/min	150 l/min
PVSKMS for PVSKM PVE actuation	11116733	11116734	11100036
PVSKMS for PVSKM PVH actuation	–	–	11111293

Technical Data

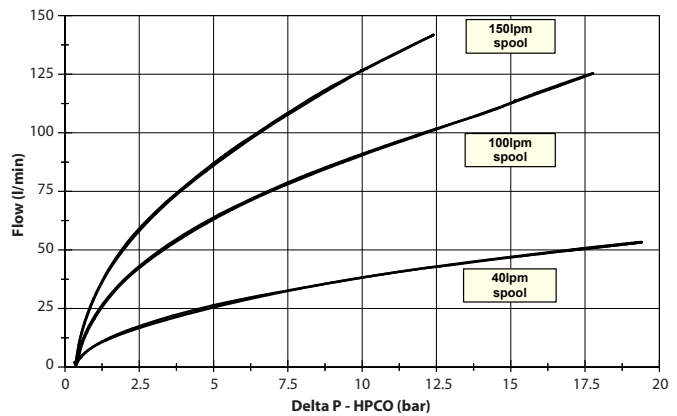
Max. pressure	Port P continuous	350 bar	[5075 psi]
	Port HPCO continuous		
Oil rated flow	P - PVG	OC systems	80 l/min [17.6 US gal/min]
		CC systems	120 l/min [26.4 US gal/min]
Spool travel	Deadband	± 1.5 mm	[± 0.059 in]
	Operating range	± 7.0 mm	[± 0.276 in]
Oil temperature (inlet temperature)	Recommended temperature	30 → 60 °C	[86 → 140 °F]
	Min. temperature	-30 °C	[-22 °F]
	Max. temperature	90 °C	[194 °F]
Ambient temperature		-30 → 70 °C	[-22 → 158 °F]
Oil viscosity	Operating range	12 - 75 mm ² /s	[65 - 347 SUS]
	Min. viscosity	4 mm ² /s	[39 SUS]
	Max. viscosity	460 mm ² /s	[2128 SUS]
Filtration	Max. contamination (ISO 4406)	23/19/16	

Performance graphs

Pressure drop P - Ppvg

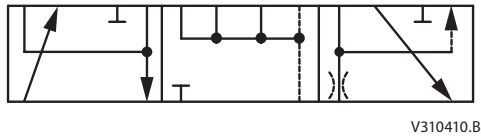


Pressure drop P - HPCO

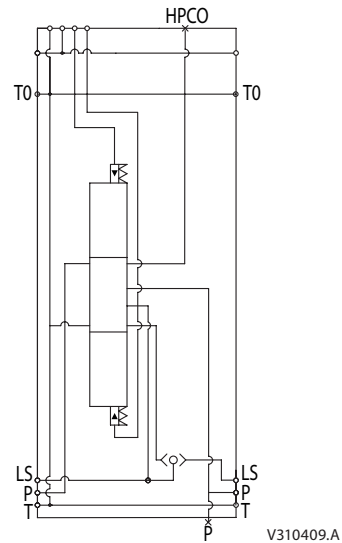


Hydraulic schematics

Main spool symbol



PVSKM module



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