ENGINEERING TOMORROW

Data Sheet

Full Flow Cut-off Valve
PVSKM 32 Module

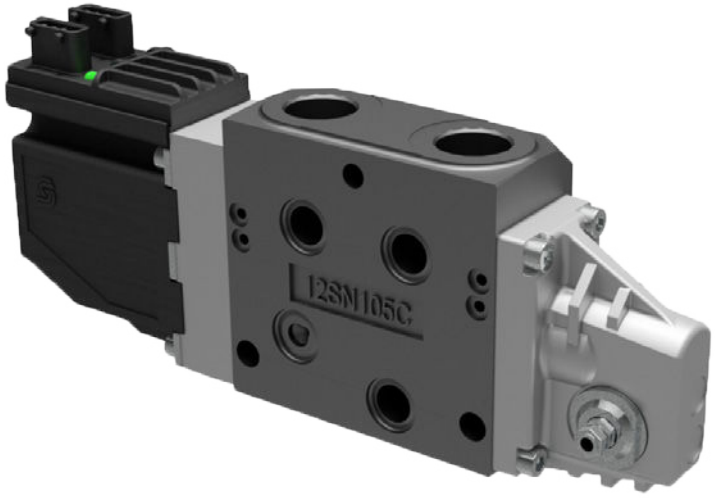
The PVSKM full flow cut-off valve is developed to comply with the new functional safety standards.

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 PVG 32 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.	
Port	G¾ 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		
l/min	40 l/min	100 l/min	150 l/min
PVSKM for PVSKM PVE actuation	11116733	11116734	11100036
PVSKM for PVSKM PVH actuation	-	11111292	11111293

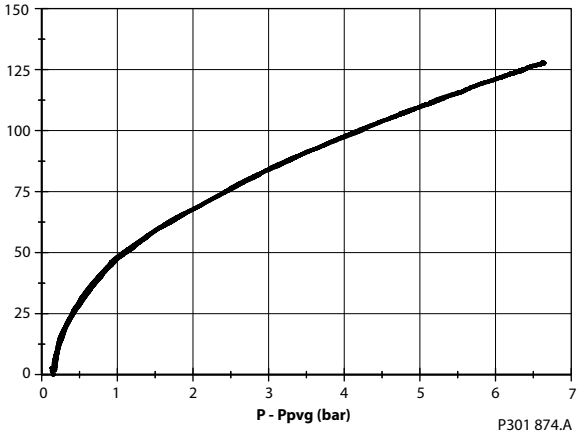
Comprehensive technical literature is online at *powersolutions.danfoss.com*

Technical data

Max. pressure	Port P continuous		350 bar	[5075 psi]
	Port HPCO continous			
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]
	Opperating 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



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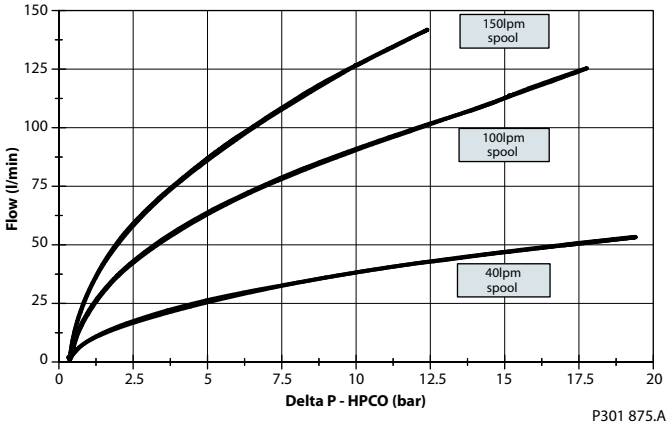
Pressure drop P - HPCO



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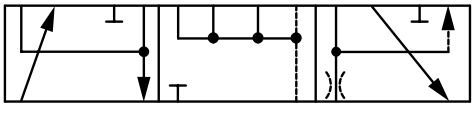
Hydraulic schematics

Main spool symbol



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PVSKM module