

Data Sheet

JS1-H and PVG Sub-Systems

Danfoss Power Solutions (DPS) has more than 40 years of experience in market-leading solutions for many applications. Our product portfolio contains a large variety of products that enables the possibility to create unique sub-systems comprising of multiple DPS products.

It is possible to create a sub-system by combining a JS1-H joystick and a proportional valve group (PVG). Despite its ease of installation and simplicity of setup, this sub-system provides excellent controllability in various applications and a superb human to machine experience.

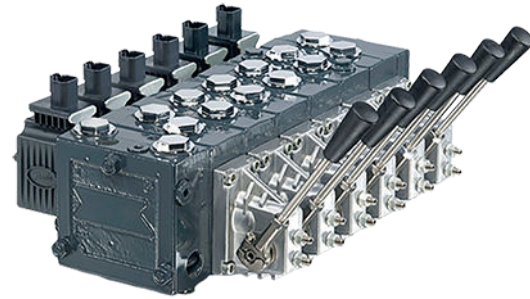
Features

- Operator Presence switch
- Multiple output options
- Simultaneous operation of two proportional rollers
- Hall effect with two sensors per axis or long-life potentiometer position sensing
- Modular PVG concept
- For all PVG types 16-32-100-128-256
- Flow 5-500 l/min [1.3-132 US gal/min]
- Works with both compensated and uncompensated basic modules

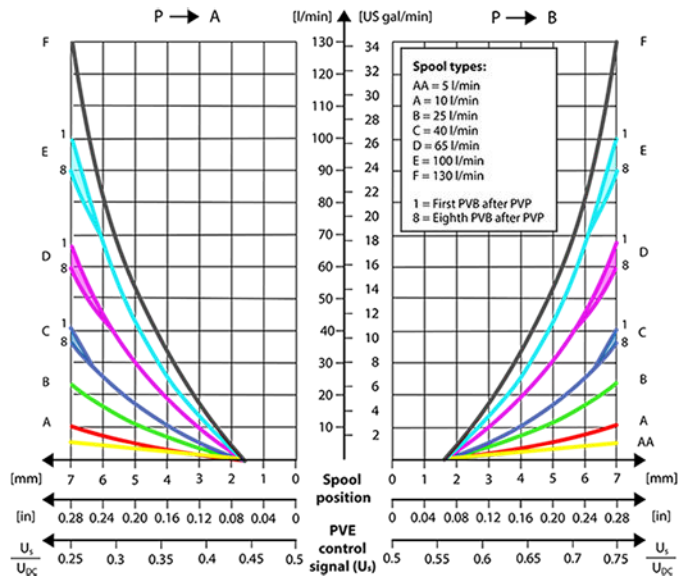
Comprehensive technical literature is online at www.danfoss.com

Relevant literature

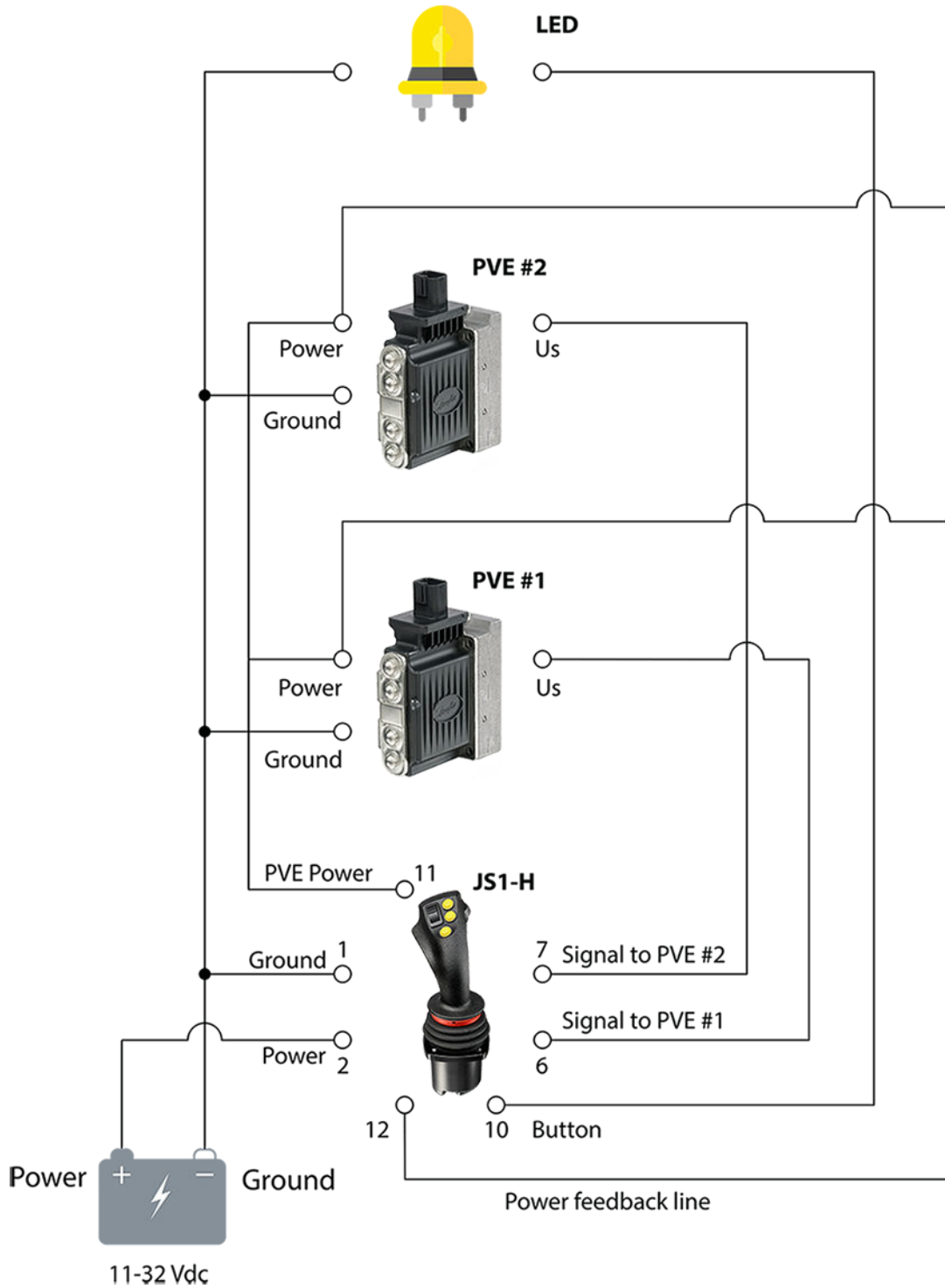
- JS1-H Technical Information, BC171886484518
- PVG 32 Technical Information, BC152886483664



Flow characteristics



JS1-H and PVG sub-system diagram

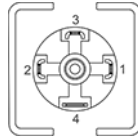


Power feedback line is needed to ensure same reference point JS1-H vs PVE. There could be a difference in voltage due to voltage drop in the line from the power supply.

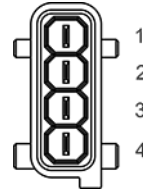
DEUTSCH



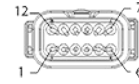
DIN/Hirschmann



AMP



JS1-H DEUTSCH DTM 04



Connector	Pin 1	Pin 2	Pin 3	Pin 4
DEUTSCH	Us	Error	Ground	Power
AMP	Us	Power	Ground	Error
DIN/Hirschmann	Power	Us	Error	Ground

JS1-H pin description (DEUTSCH DTM 04 Connector)

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
Ground	Power	CAN High	CAN Low	CAN Shield	Proportional Y	Proportional X	Proportional 3	Push 7	Push 8	PVE Power	PVE power feedback

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.