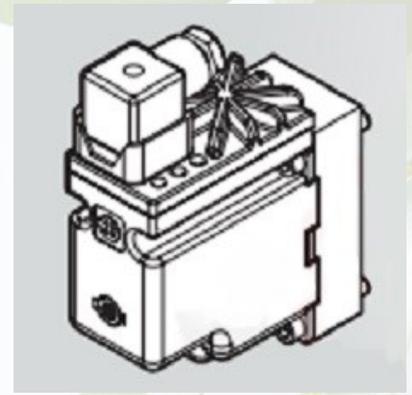


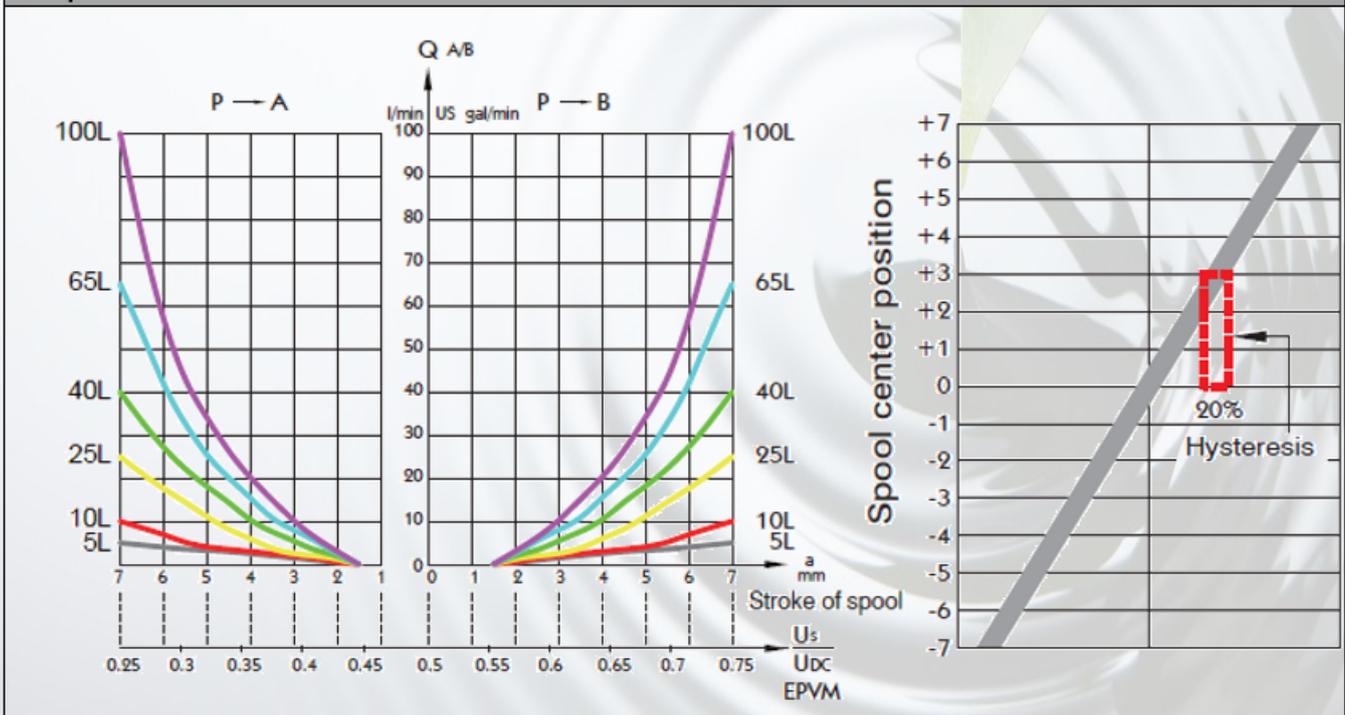
# PV-140 Electric valve EPV O/M



## General data

Proportional valve data		
Max. pressure	P	350 bar
	A/B	350 bar
	T	40 bar
Oil flow rated	P	140 L/min.
Oil temperature (inlet temperature)		From -20°C to 90°C
Oil viscosity	Operating range	From 15 to 75 mm <sup>2</sup> /s
	Min.	12 mm <sup>2</sup> /s
	Max.	4 mm <sup>2</sup> /s
Ambient temperature		From -30°C to 60°C
Connections	P/T	G 3/4
	A/B	G 1/2
Sections		1-10

## Graphs of control



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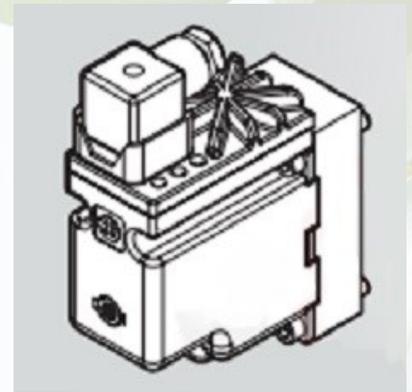
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# PV-140 Electric valve EPV O/M



## CHARACTERISTICS FEATURES

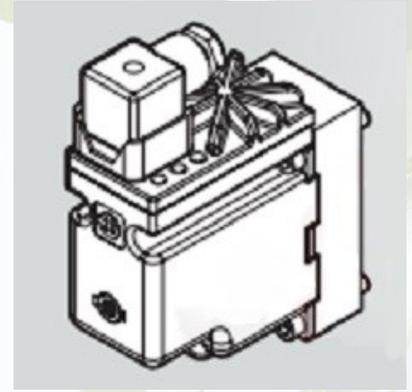
### Electric-control options:

Type EPVO	
	<p><b>Function:</b> The main spool is controlled by ON/OFF activated actuator. Reaction time from neutral position to max. spool travel.</p>
	<p><b>Characteristics:</b> Supply voltage range: 11V~30V, LED light sign can be chosen.</p>

Code	Description	Enclosure to IGC 529	
EPVO-H0101	ON/OFF activated actuator connectors, with LED lights.	Hirschmann connectors	IP 65

Hirschmann connectors	Circuit symbol	Function																
 <table border="1"> <thead> <tr> <th>ON/OFF</th> <th>A (Pin 1)</th> <th>B (Pin 2)</th> <th>LED light sign</th> </tr> </thead> <tbody> <tr> <td>Neutral position 0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>P → A</td> <td>UDC</td> <td>0</td> <td>BLUE</td> </tr> <tr> <td>P → B</td> <td>0</td> <td>UDC</td> <td>YELLOW</td> </tr> </tbody> </table>	ON/OFF	A (Pin 1)	B (Pin 2)	LED light sign	Neutral position 0	0	0	0	P → A	UDC	0	BLUE	P → B	0	UDC	YELLOW		
ON/OFF	A (Pin 1)	B (Pin 2)	LED light sign															
Neutral position 0	0	0	0															
P → A	UDC	0	BLUE															
P → B	0	UDC	YELLOW															

# PV-140 Electric valve EPV O/M



## CHARACTERISTICS FEATURES

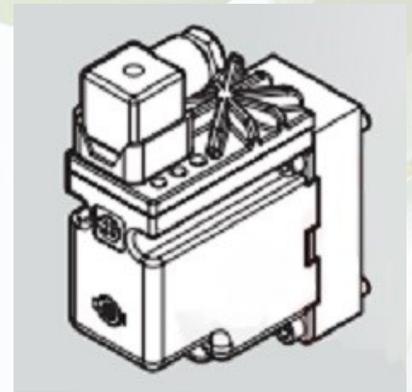
### Type EPVM:

Code	Specifications
EPVM-H0110	Proportional Solenoid Valve, <u>Hirschmann</u> connectors, 12VDC, without LED
EPVM-H0111	Proportional Solenoid Valve, <u>Hirschmann</u> connectors, 12VDC, with LED
EPVM-H0120	Proportional Solenoid Valve, <u>Hirschmann</u> connectors, 24VDC, without LED
EPVM-H0121	Proportional Solenoid Valve, <u>Hirschmann</u> connectors, 24VDC, with LED

Supply voltage	Rate	12V DC	24V DC
	Range	11V~15V	22V~30V
	Max. ripple	5%	
Current consumption	Typical	760mA	670mA
Signal voltage(Us)	Neutral	0.5* <u>Udc</u>	
	A port ↔ B port	0.25~0.75* <u>Udc</u>	
LED	A port	Blue	
	Neutral (power)	Green	
	B port	Yellow	

Ambient temperature	-30°C~+60°C
Oil temperature	-30°C~+90°C
Pilot pressure	10~15 bar
Grade of enclosure	<u>Hirschmann</u> : IP65

# PV-140 Electric valve EPV O/M



## CHARACTERISTICS FEATURES

Appearance size	Circuit symbol	Function