Compact electro-proportional actuated load-independent directional control valve
Applications: Specially designed for lifting machines; suitable for various applications requiring precise and controlled movements.

KEY FEATURES

INLET FLOW CAPACITY: Maximum inlet flow: 50 L/min (with standard inlet section)
WORKING SECTIONS FLOW REGULATION: Maximum regulated flow: 30 L/min
ARCHITECTURE:

- Light and compact design
- Combines SAE10 ES104P cartridges
- Aluminum bodies

FLOW SIZING: Different maximum flow sizes available to regulate the speed of actuators
PRESSURE COMPENSATION PRINCIPLE:

- Maintains constant ΔP (pressure drop) across the cartridge spool control
- Flow rate regulation is independent of load variations
- Ensures precision and stability in movement control



ADVANTAGES

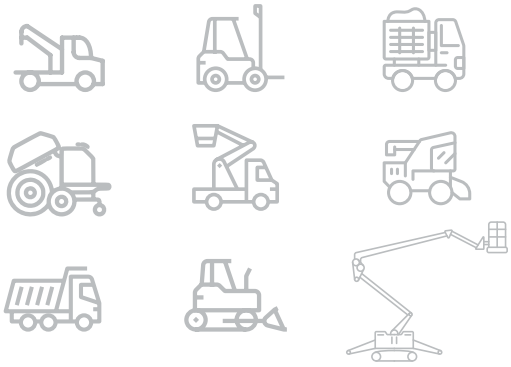
PRECISION AND MOVEMENT CONTROL: High precision in flow regulation, ideal for applications requiring accurate movement control.
LOAD INDEPENDENCE: Performance is not affected by load changes, ensuring consistent operation under varying conditions.
COMPACT AND LIGHTWEIGHT: Space-efficient and easy to integrate into machinery due to its compact size and lightweight nature.

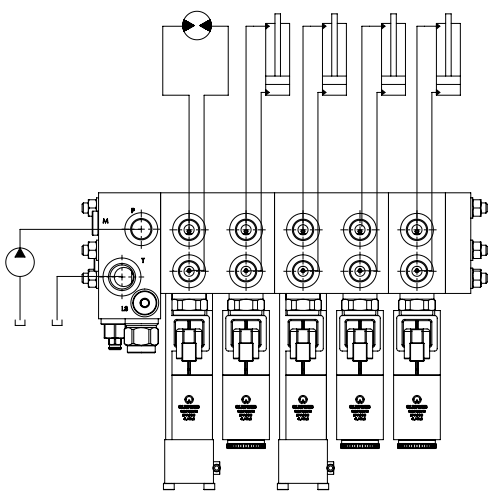
SUMMARY

The OLEOWEB DSC030P valve is a versatile and efficient solution for hydraulic systems in lifting machines and other applications that demand precise and stable movement control. Its combination of a compact design, pressure compensation, and electro-proportional actuation makes it a reliable component for achieving consistent performance regardless of load variations.

TECHNICAL DATA

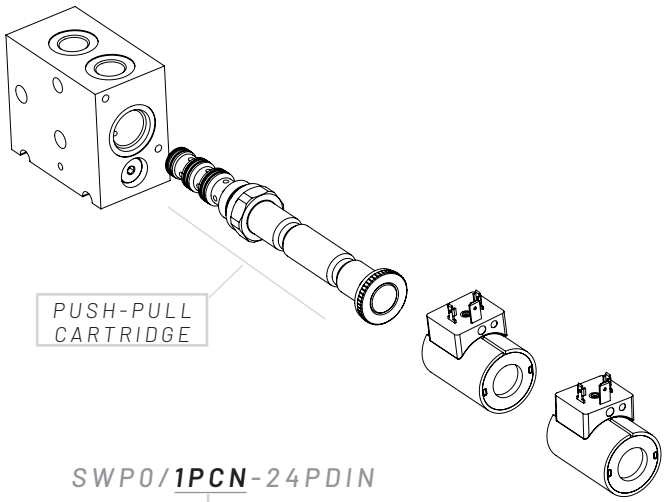
Work sections	up to 7 (FOR SPECIAL CONFIGURATION, CONTACT OUR CUSTOMER CARE)
Body material	Aluminum
Gaskets	NBR (standard) -30 ÷ 130 °C
	VITON -20 ÷ 205 °C
	PTFE -30 ÷ 260°C
Ambient Temperature	-30 + 50 °C
HYDRAULIC DATA	
Maximum inlet flow	50 L/min (with standard inlet section)
Maximum regulated flow on ports A-B	30 L/min
Maximum working pressure	250 bar
Maximum back pressure on T	10 bar
Hydraulic fluid	Mineral oil (data referred to ISO-VG46 oil @ 40°C)
Viscosity range	15 ÷ 400 cSt
Oil temperature	-20 ÷ 100 °C
Max contamination index	ISO4406:1999 Class 18/16/13
ELECTRICAL DATA	
Nominal Voltage	12VDC or 24VDC
Nominal Power	24W (On-Off type)
	36W or 39W (Proportional type)
Connection type	DIN 46350
	DEUTSCH DT4
Protection class	IP 65 - IP 69K with appropriate conncector
Termal insulation	Class H
Wire insulation	Class H^+
Relative intermittance	ED 100%





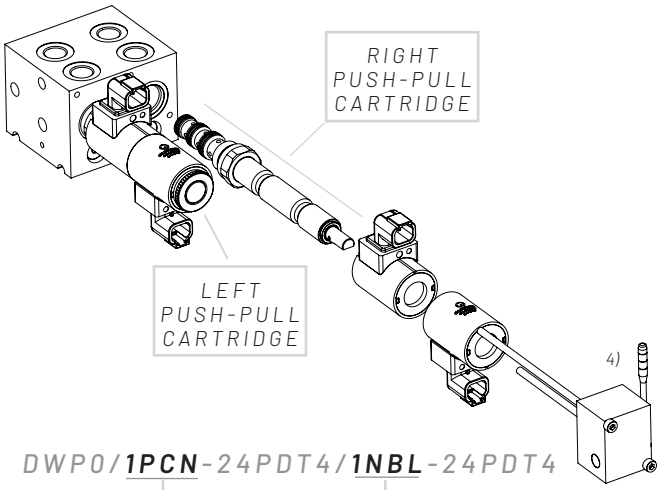
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PUSH-PULL ELECTRIC CARTRIDGE



SWP0/**1PCN**-24PDIN

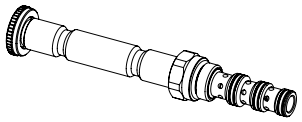
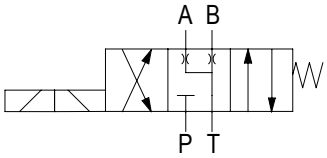
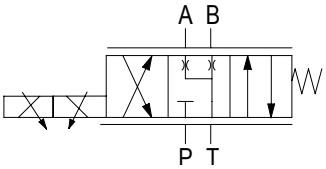
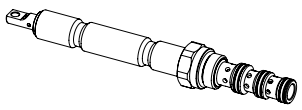
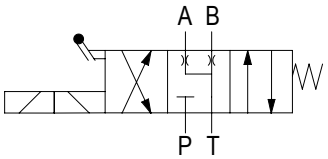
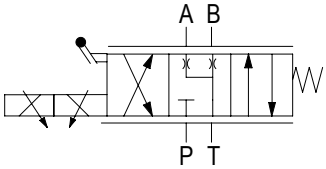
PUSH-PULL CARTRIDGE



DWP0/**1PCN**-24PDT4/**1NBL**-24PDT4

LEFT PUSH-PULL CARTRIDGE

RIGHT PUSH-PULL CARTRIDGE

TYPE OF EMERGENCY	SCHEME (TYPE 1)	SIZE	OPTION	SPARE PART CODE
 NO EMERGENCY	 ON-OFF TYPE A-B to T in neutral position 3)	5 L/min	**1NAN**	ES104F-1AN
		10 L/min	**1NBN**	ES104F-1BN
		15 L/min	**1NCN**	ES104F-1CN
		25 L/min	**1NDN**	ES104F-1DN
		30 L/min	**1NEN**	ES104F-1EN
	 PROPORTIONAL TYPE A-B to T in neutral position 3)	5 L/min	**1PAN**	ES104P-1AN
		10 L/min	**1PBN**	ES104P-1BN
		15 L/min	**1PCN**	ES104P-1CN
		25 L/min	**1PDN**	ES104P-1DN
		30 L/min	**1PEN**	ES104P-1EN
 MANUAL LEVER PREDISPOSITION	 ON-OFF TYPE A-B to T in neutral position 3)	5 L/min	**1NAL**	ES104F-1AL 4)
		10 L/min	**1NBL**	ES104F-1BL 4)
		15 L/min	**1NCL**	ES104F-1CL 4)
		25 L/min	**1NDL**	ES104F-1DL 4)
		30 L/min	**1NEL**	ES104F-1EL 4)
	 PROPORTIONAL TYPE A-B to T in neutral position 3)	5 L/min	**1PAL**	ES104P-1AL 4)
		10 L/min	**1PBL**	ES104P-1BL 4)
		15 L/min	**1PCL**	ES104P-1CL 4)
		25 L/min	**1PDL**	ES104P-1DL 4)
		30 L/min	**1PEL**	ES104P-1EL 4)

NOTES:

3) *A and B closed in neutral position (scheme type 2) available under request. Contact customer service for more information*

4) *For Spare Parts Cartridges, lever kit must be order separately for each one - LEVER KIT CODE :* ***9COR18000200***

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