

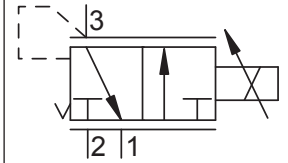


Up to 350 bar - Up to 3.8 lpm

Operation

The D-IPDAR43C generates a variable pressure in response to a PWM (Pulse Width Modulated) current signal. With no current applied to the proportional solenoid, the inlet port 2 is blocked and the regulated port 3 is vented to port 1. As current is increased, fluid pressure is proportionally controlled at the regulated port 3. On attainment of proportionally determined pressure at 3, the cartridge shifts to block flow at 2, thereby regulating pressure at 3. In this mode, the valve also will relieve 3 to 1 at a variable value over the set reducing pressure.

Symbol



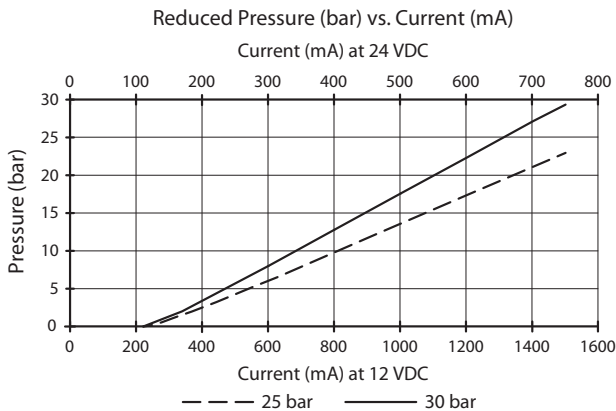
Features

- Slip-in style.
- Efficient wet-armature construction.
- Integral waterproof coil.
- Continuous duty rated solenoid.



*Flanged retained product. The coil is an integral part of the valve and is not serviceable.
Tank Pressure level above zero is additive to the valves expected reduced pressure value.*

Performance.



Valve Specifications

Flow Range (lpm)	3.8 lpm @ 8 bar Delta P
Max. Inlet Pressure "H" version (bar)	350
Max. Inlet Pressure "L" version (bar)	50
Controlled Pressure Range	0-25 bar / 0-30 bar (see graph)
Reduced Pressure Tolerance	+/- 5%
Max. Back-pressure at T port	20 bar
Internal Leakage	15ml/min. @ 35 bar inlet 35ml/min. @ 350 bar inlet
Hydraulic Oil	General purpose hydraulic fluid
Viscosity Range	3 to 640 cSt
Filtration	ISO 18/15/13
Operating Temp.	-25 to 90°C
Flange Mounting Screws	M4x10 / torque 4Nm
Cavity	T043 (see cavity data page CAV-T043)
Weight - Valve only	0.25 kg

Coil Specifications

Current Supply	PWM (Pulse Width Modulation)
Rated Current Range	200 - 1500 mA (12 Volts) 100 - 750 mA (24 Volts)
PWM or Super-imposed Dither Frequency	100 - 200 Hz
Coil Resistance (12 vdc)	5.4 Ohm +/- 5% at 20°C
Coil Resistance (24 vdc)	22 Ohm +/- 5% at 20°C
Max. Power Consumption	12 Watt (20°C)
Protection Degree	IP67 according to IEC 529
Coil Termination	Deutsch-Integral DT04-2P Amp Junior Timer 84-9419

