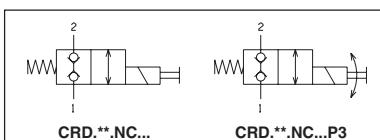


CRD.01/02.NC... DIRECT OPERATED CARTRIDGE SOLENOID VALVES



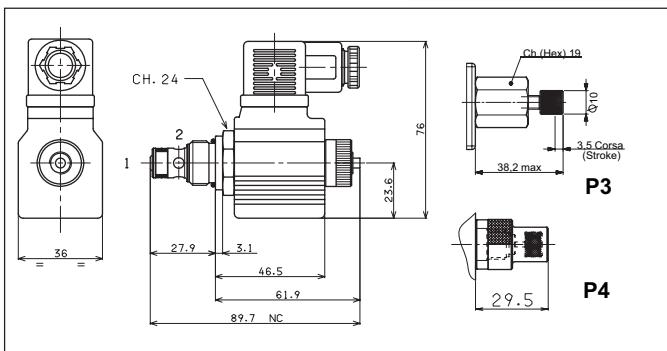
CRD.01/02.NC...

CVC...	CH. V PAGE 37
"22 W" DC COILS	CH. V PAGE 35
STANDARD CONNECTORS	CH. I PAGE 19



Max. pressure CRD.01.NC... see note (*)	300 bar
Max. flow CRD.01.NC...	8 l/min
Max. pressure CRD.02.NC...	210 bar
Max. flow CRD.02.NC...	15 l/min
Max. excitation frequency	2 Hz
Duty cycle	100% ED
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm ² /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level	class 10 in accordance with NAS 1638 with filter β ₂₅ ≥ 75
Cartridge filter	250µm
Type of protection (in relation to the connector used)	IP65
Weight (with coil)	0,35 Kg
Cartridge tightening torque	25 ÷ 30 Nm (2.5 ÷ 3 Kgm)
Coil ring nut tightening torque	7 Nm (0.7 Kgm)

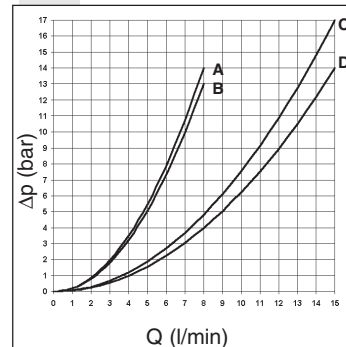
(*) Pressure dynamic allowed for 200.000 of cycles on 1 flux side



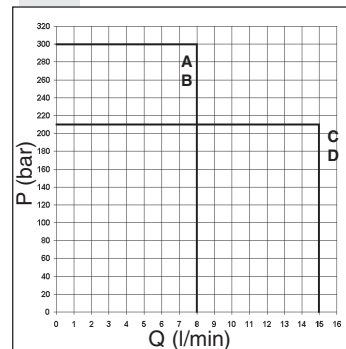
The tests were carried out with the solenoids at operating temperature, with a supply voltage 10% below nominal value and with a 40°C fluid temperature. The fluid used is a mineral oil with a viscosity of 46 mm²/s at 40°C.

Flux	CRD.01.NC
2 → 1	curve A
1 → 2	curve B
CRD.02.NC	
2 → 1	curve C
1 → 2	curve D

PRESSURE DROPS



LIMITS OF USE



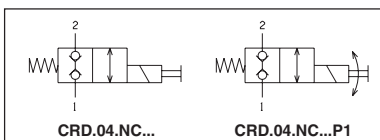
5

CRD.04.NC... DIRECT OPERATED CARTRIDGE SOLENOID VALVES



CRD.04.NC...

CVC...	CH. V PAGE 37
"30 W" DC COILS	CH. V PAGE 35
STANDARD CONNECTORS	CH. I PAGE 19

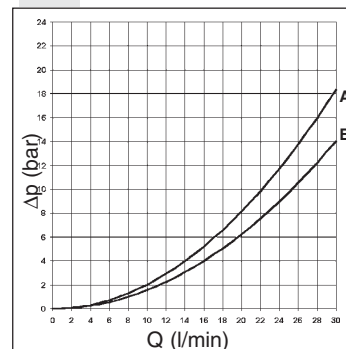


Max. pressure	250 bar
Max. flow	30 l/min
Max. excitation frequency	2 Hz
Duty cycle	100% ED
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm ² /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level	class 10 in accordance with NAS 1638 with filter β ₂₅ ≥ 75
Cartridge filter	250µm
Type of protection (in relation to the connector used)	IP65
Weight (with coil)	0,63 Kg
Cartridge tightening torque	25 ÷ 30 Nm (2.5 ÷ 3 Kgm)
Coil ring nut tightening torque	7 Nm (0.7 Kgm)

The tests were carried out with the solenoids at operating temperature, with a supply voltage 10% below nominal value and with a 40°C fluid temperature. The fluid used is a mineral oil with viscosity of 46 mm²/s at 40°C.

Flux	CRD.04.NC
2 → 1	curve A
1 → 2	curve B

PRESSURE DROPS



LIMITS OF USE

