PROPORTIONAL COMPENSATED VALVES

Stackable proportional directional valves with LS signal locally compensated
CXDH.3.A./CXDH.3.C. series valves are used for controlling fluid direction and flow rate as a function of the supply current to the proportional control solenoid. Flow regulation is load independent. Load compensation is achieved by a 2-way pressure compensator which holds the pressure drop constants across the proportional spool. Cast iron zinc plated body.

Max. operating pressure 300 bar
Max. operating pressure ports T (Pressure dynamic allowed for 2 millions of cycles) 250 bar
Regulated flow rate (A / B ports) up to 35 l/min
Relative duty cycle Continuous 100% ED
Type of protection (Hirschmann coil) IP 65
Fluid viscosity 10 ÷ 500 mm²/s
Fluid temperature -20°C ÷ 75°C
Ambient temperature -20°C ÷ 60°C
Max. contamination level (filter β₁₀ ≥ 75) ISO 4406:1999; class 19/17/14 NAS 1638: class 8
Weight with single solenoid 2.38 kg
Weight with double solenoid 2.77 kg

** Features **

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** Ordering Code **

C XD H
Proportional compensated bankable valve
3
Mounting (see table 1)
N
Symmetrical flow path control

** Tab.1 - Mounting **

<table>
<thead>
<tr>
<th>Code</th>
<th>Symbol</th>
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<td>C</td>
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<td>A</td>
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<td>B</td>
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** Accessories **

REM.S.RA.*,*, Card type control for single and double solenoid
REM.D.RA.*,*, Electronic amplifier plug version for signle solenoid
CEPS,... Electronic module for integrate control of proportional valves and ON/OFF
JMPE10M700101 Joystick with standard handle
JMPLUOM700128 Joystick Person present handle
Modular valves CM3P (page 31) and CM3M (page 33)

CONNECTOR TO BE ORDERED SEPARATELY SEE PAGE/THE VARIANT AVAILABLE ON REQUEST

Connector to be ordered separately; see page 55.
The fluid used is a mineral based oil with a viscosity of 46 mm²/s at 40°C. The tests have been carried out at with a fluid of a 40°C.

**OVERALL DIMENSIONS**

**Body type A**
Ports G3/8" Parallel

COILS can be rotated by 180°

Fittings, max. tightening torque 60 Nm
Body type G
Interface for modular valves

Body type L
Ports G3/8” parallel with valves LSA LSB
Body type M
Interface for modular valves with valves LSA LSB

OVERALL DIMENSIONS
The emergency control lever for solenoid valves by Aron, represents a development in terms of safety and flexibility among applied hydraulic components. Thanks to its flexibility, the component was designed to be inserted between the valve body and the spool, providing total interchangeability between the different types of solenoid body valves manufactured by Aron. The component is available for both ON/OFF directional control and proportional valves (*).

As an emergency lever applied to solenoid valves, the control can be used as a safety device in conformity with the industry standards, also playing an useful role in the event of power cuts. The control can be used in agricultural and mobile fields; the manual action can be used to carry out periodic maintenance work on mobile components of the vehicle, in perfectly safe working conditions.

**Max flow of proportional valves can be reduced compared to versions without emergency control lever when electrical operated. Max flow of proportional valves lever operated is increased compared to the max flow given when valves are electrically operated.**

### OTHER VARIANTS

- **“ES”** Manual emergency
- **“P2”** Rotary emergency
- **“R5”** Rotary emergency 180°
- **“AJ”** AMP Junior
- **“AD”** AMP Junior + Diode
- **“CZ”** Deutsch DT04-2P
- **“SL”** Flying leads
- **“RS”** Plastic coil

Emergency P2 and P5, tightening torque max. 6-9 Nm (CH n. 22)