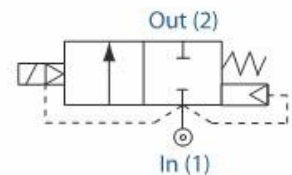


ACDR Series 2/2 Normally Closed



Features & Benefits

- Robust Valve Design
- Diaphragm Operation
- Fully Ported Orifices for high Kv
- Choice of Body Material
- Slow closing anti water hammer diaphragm
- DC retified for quiet operation
- Forged brass body minimizing heat radiation loss
- Reliable control in low pressure high flow systems
- Response time 15-60ms



Electrical Characteristics

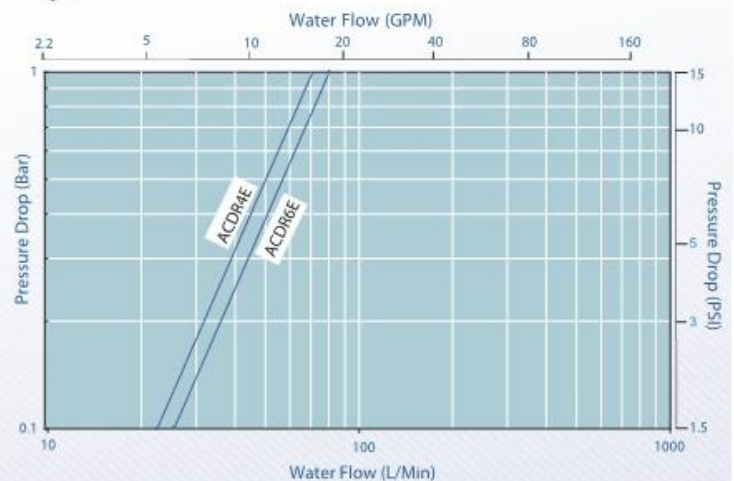
Coil Voltage DC (=):	12v, 24v, 110v
Coil Voltage AC 50Hz (-):	24v, 110v, 230v
Voltage tolerance:	+10% or -10%
Duty Cycle:	100% ED
Protection Class (Std):	IP65 (BS EN 60529) (plug supplied as standard)
Electrical Connection (Std):	PG9 Din Connector DIN 43650/ISO 4400 (EN 175301-803) Form 'A'
Coil Insulation:	Class H (BS EN 60085) 180°C
Power:	14.5 Watts

Features

Pipe Size	Kv	OPD (Bar)		P.Max Bar	Orifice mm	Cat No.
		AC Voltages	DC Voltages			
1/2"	4.2	0.1 - 3.0	0.1 - 3.0	15	16.00	ACDR4E
3/4"	4.7	0.1 - 3.0	0.1 - 3.0	15	16.00	ACDR6E

Kv = Flow (M³/hr) of water @ 1bar pressure drop

Flow Data



How to use the Flow Chart

1. Select the required flow.
2. Note the corresponding orifices/model and pressure drop.
3. Using orifices/model, (refer to the Features panel) for technical information

Specifications

Function:	Normally Closed, Energise to Open
Ambient Temperature:	-10°C to +50°C
Maximum Viscosity:	115 SSU
Body Material (Std):	Brass CZ122
Flange Tube:	Stainless Steel 303
Plunger and Top Stop:	Stainless Steel 430FR
Springs:	Stainless Steel 302
Seal Material (Std):	EPDM
Connection Type (Std):	BS21
Shading Coil:	Copper

Morrel International S.r.l.

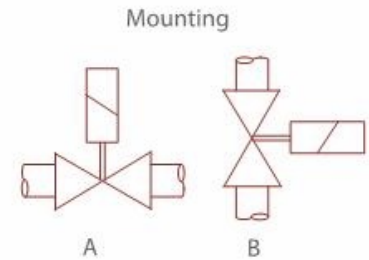
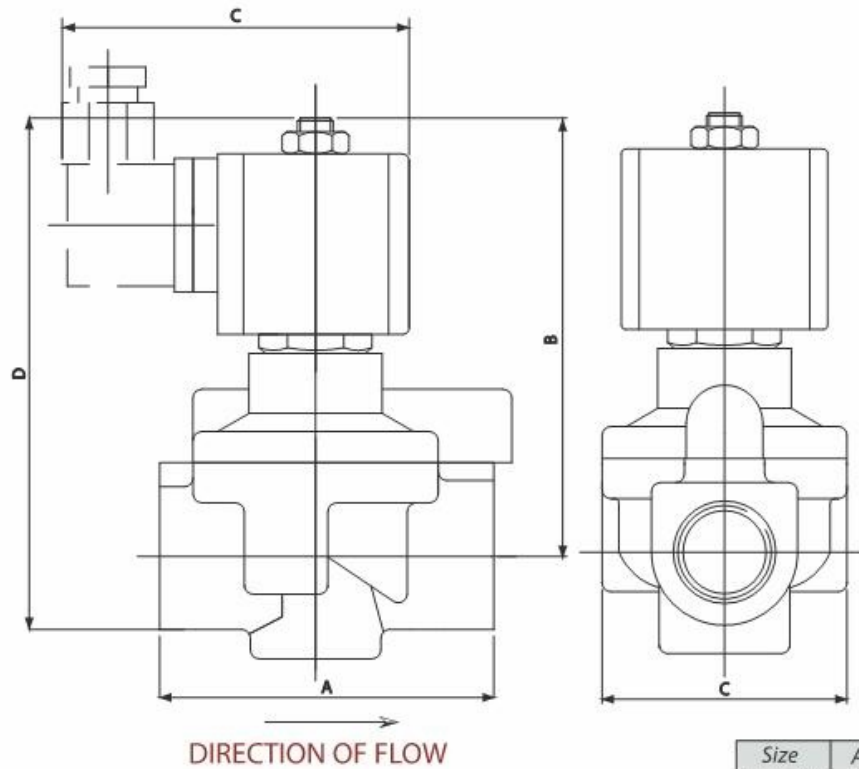
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E-mail: morrel_int_srl@yahoo.it

ACDR Series 2/2 Normally Closed



Dimensions

Size	A	B	Inc Plug	D	Weight (Kg)
1/2" - 3/4"	75	98	75	122	0.90

Note:
· PED Compliant

Options

Solenoid Enclosure		
Protection Class	Electrical Entry	Ambient
EExd T6 (IP67)	M20 X 1.5 Female	-50°C to +40°C
EExd T4 (IP67)	M20 X 1.5 Female	-50°C to +70°C
Exm T5 (IP65)	M16 X 1.5 Male FLYING LEAD	-20°C to +40°C
EExia	M20 X 1.5	-40°C to +65°C

Body Material
Stainless Steel

LED power indicator option

See solenoid enclosures for specific details