

APPLICATIONS FUEL DISPENSING

Product Index



Function	ΔP		Temperature		Pipe connections	Series	Page
	min. (bar)	max. (bar)	min. (°C)	max. (°C)			
ALUMINIUM BODY							
2/2 NC	0,35	3,5	-10	+50	Dual stage, ATEX EEx m	3/4 - 1	292 ⁽¹⁾
2/2 NC	0,35	3,5	-10	+50	Dual stage, 1 inlet, 2 outlets, ATEX EEx m	1	292 ⁽¹⁾
2/2 NC	0,35	3,5	-10	+50	ATEX EEx m	1	293 ⁽¹⁾
2/2 NC	0	2,7	-10	+50	Pad mount, single/dual stage, ATEX EEx m	1	- ⁽¹⁾
BRASS BODY							
2/2 NC	0,35	2,7	-10	+50	Dual stage, ATEX EEx m	3/4	292 ⁽¹⁾
2/2 NC	0	2,7	-10	+50	Single flow, ATEX EEx m	3/4	- ⁽¹⁾
2/2 NC-NO	0,35	2,1	-10	+50	Dual stage, ATEX EEx m	1	- ⁽¹⁾
2/2 NC-NO	0,35	2,1	-10	+50	ATEX EEx m	1	- ⁽¹⁾

⁽¹⁾ See our "Fuel Dispensing" catalogue.

Applications

The valves are specifically intended for petrol pumps and other fuel dispensing systems, where filling time and accuracy are of critical importance.

These systems are often based on self-service and pre-paid computer controlled stations and require precise shut-off.

High flow factors and fast response times make these valves perfect for this application. Fluids with viscosities up to 300 SSU (65 cStokes) can be handled.

Operation

All valves are of the normally closed or normally open construction type.

■ Single flow executions

No flow/full flow modes

Energised = full flow
De-energised = closed

■ Dual flow executions

Low flow/full flow modes

Single solenoid:
Energised = full flow
De-energised = low flow
(constant bleed)

■ 3-stage executions:

No flow/full flow/low flow mode

- Single solenoid (dual winding coil):
 - Full flow when both coil windings are energised.
 - Low flow when coil winding 2 is energised and 1 is de-energised.
 - Closed when both coil windings are de-energised.
- Dual solenoid:
 - Full flow when the first coil is energised.
 - Low flow when the second coil is energised.
 - Closed when both coils are de-energised.

Solenoids

Flameproof enclosure conforming to ATEX/CENELEC for hazardous locations according to EN 50014 and EN 50018 EEx d, with a fuelproof supply cable.

Explosionproof executions with encapsulated, II 2 G EEx m II T3 solenoids according to EN 50028 or with EEx em (increased safety encapsulation) metal solenoids according to EN 50019 and EN 50020.

Increased Safety (e)/Special Protection Watertight Solenoid (s) operator for hazardous locations conforming to explosion protection standard VDE 0171.

Temperature class G4, safety code Ex es G4.

The steel solenoid enclosure is waterproof (IP65).

ASCO also provides a special protection solenoid operator with fully epoxy moulded coil and equipped with a moulded-in fuelproof supply cable according to DIN 57282.

For single coil types in non-hazardous applications a general service epoxy moulded coil is available with spade plug connection conforming to ISO 4400/EN 175301-803, form A and DIN 43650.