Model: ICO4S 1/4" 3/2 UNI Direct acting solenoid valve Low pressure, high flow Max inlet pressure 20 bar (290 psi)

Reliable and long life, ideal for a one time installation Control of pneumatic or hydraulic operated equipment ATEX, CSA, GOST K & R, IECEX and NEMA 4X



Maximum inlet pressure: 20 bar (290 psi)

Flow rates:

 $C_v = 0.8 \text{ USgpm for 1 psi } \Delta p$  $K_{v} = 11.5 \text{ l/min for 1 bar}$ (15 psi) ∆p

Process connections: NPT Conduit connection: M20 x 1.5 conduit thread

Media:

Customer to specify and confirm compatibility

## ICO4S 1/4" 3/2 20 BAR (290 PSI) AUTO



#### Temperature ratings:

Media (min/max -20°C/90°C (-4°F/194°F)) Ambient (min/ max 0°C/60°C (32°F/140°F))

Valve size:

1/4" balanced poppet valve

Weight: 5.5 kg

#### Materials:

Solenoid pot - stainless steel - BFC 316

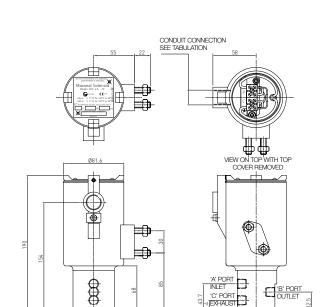
Top cover - stainless steel -

BFC 316 Valve body & trim materials -316 stainless steel - 316L

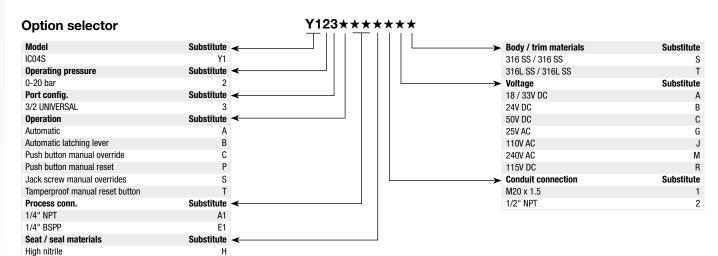
stainless steel to the valve body and trim materials O-rings seats & seals -high

nitrile (NBR) Coil insulation - class H

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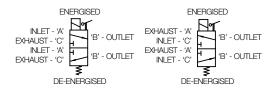


Profile and dimensions mm



Viton®

## ICO4S 1/4" 3/2 20 BAR (290 PSI) A-L-L



## Temperature ratings:

Media (min/max -20°C/90°C (-4°F/194°F)) Ambient (min/max 0°C/60°C (32°F/140°F))

#### Valve size:

1/4" balanced poppet valve **Weight:** 5.5 kg

# Materials:

Solenoid pot - stainless steel - BFC 316 Top cover - stainless steel -BFC 316 Valve body & trim materials -316 stainless steel - 316L stainless steel to the valve body and trim materials O-rings seats & seals -high nitrile (NBR) Seats - nylon 66

Coil insulation - class H

# ICO4S 1/4" 3/2 20 BAR (290 PSI) JSMO



## Temperature ratings:

Media (min/max -20°C/90°C (-4°F/194°F)) Ambient (min/max 0°C/60°C (32°F/140°F))

#### Valve size:

1/4" balanced poppet valve **Weight:** 6 kg

#### Materials:

Solenoid pot - stainless steel - BFC 316 Top cover - stainless steel -BFC 316 Valve body & trim materials -316 stainless steel - 316L stainless steel to the valve body and trim materials O-rings seats & seals -high nitrile (NBR)

Coil insulation - class H

# ICO4S 1/4" 3/2 20 BAR (290 PSI) PBMR



#### Temperature ratings:

Media (min/max -20°C/90°C (-4°F/194°F)) Ambient (min/max 0°C/60°C (32°F/140°F))

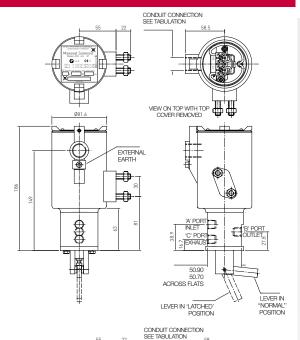
#### Valve size:

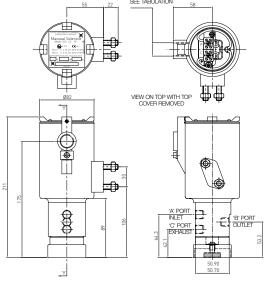
1/4" balanced poppet valve **Weight:** 5.5 kg

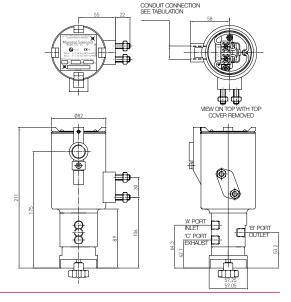
#### Materials:

Solenoid pot - stainless steel - BFC 316 Top cover - stainless steel -BFC 316

Valve body & trim materials -316 stainless steel - 316L stainless steel to the valve body and trim materials O-rings seats & seals -high nitrile (NBR) Coil insulation - class H







Profile and dimensions mm

# ICO4S 1/4" 3/2 20 BAR (290 PSI) PBMO



#### Temperature ratings:

Media (min/max): -20°C/90°C (-4°F/194°F) Ambient: must be used within 'T' class temperature ranges shown

Weight: 5 kg

#### Materials:

Valve body & trim - 316L stainless steel O-Rings seats & seals - high Paint finish - stainless steel

coil housing - unpainted

#### **Electrical information**

Voltage (nominal)	24V DC					
Response Times (Typ)	Pull-in	< 150 MS	Drop Out	< 80 MS		
Coil Rating	125 ohms					
Voltage Protection	Surge suppression diodes fitted as STD					
Leak Performance	Bubble tight					
Pull-in Voltage	>= 87.5% of nominal					
Drop-Out Voltage	10 - 20% of nominal					
Power Consumption	4.5 watts					
Coil Encapsulation	Class H					
Coil Duty Cycle	100%					

## ICO4S 1/4" 3/2 20 BAR (290 PSI) TPMR



## Temperature ratings:

Media (min/max): -20°C/120°C (-4°F/248°F) Ambient: must be used within 'T' class temperature ranges shown

Weight: 6.5 kg

## Materials:

Valve body & trim - 316L stainless steel O-Rings seats & seals - high Paint finish - stainless steel coil housing - unpainted

#### **Electrical information**

Voltage (nominal)	24V DC					
Response Times (Typ)	Pull-in	< 150 MS	Drop Out	< 80 MS		
Coil Rating	125 ohms					
Voltage Protection	Surge suppression diodes fitted as STD					
Leak Performance	Bubble tight					
Pull-in Voltage	>= 87.5% of nominal					
Drop-Out Voltage	10 - 20% of nominal					
Power Consumption	4.5 watts					
Coil Encapsulation	Class H					
Coil Duty Cycle	100%					

Profile and dimensions mm

