

FEATURES

- Explosionproof operator for use in potentially explosive atmospheres according to ATEX-Directive 94/9/EC
- N° EC type examination certificate: KEMA 98 ATEX 2544**
- Compliance with the Essential Health and Safety Requirements has been assured by European Standards **EN 50014, EN 50020, EN 50281-1-1 and EN 50284**
- This highly efficient solenoid operates at very low power level (0.4W)
- The continuous duty class F polypropylene moulded spade plug connector coil contains moulded in solid state components for switch-off peak voltage suppression, independent polarity connection and electronic enhancement
- Ingress protection degree IP65
- A wide range of ASCO/JOUCOMATIC valves can be supplied with the operator

CONSTRUCTION

Solenoid enclosure	Polypropylene (PP)
Core, core tube and plugnut	Stainless steel
Springs	Stainless steel
Seals and discs	NBR
Riderring	PTFE
Connector specification	ISO 4400
Cartridge	Welded, packless AISI 430 SS
Nameplate	Stainless steel
Safety code	II 1 G EEx ia IIC T6 (1) II 2 D IP65 T 85°C

(1) The category "1 G" is only valid if the valve body combination is also approved for the category 1 G (non electrical according to EN 13463-1).

ELECTRICAL CHARACTERISTICS

Standard voltages (2) DC (=) 24V nominal

(2) A minimum current of 28 mA is necessary for optimal performance

TEMPERATURE CLASSIFICATION TABLE

DC (=) Solenoid

Pn (Watt)	solenoid size		maximum ambient °C ⁽³⁾			
	MX2	M12	T6	T5	T4	T3
			85°C	100°C	135°C	200°C
Insulation Class F (155°C) 100 % E.D.						
0,4	●	●	60			

Check the wattage compatibility with the product selected.

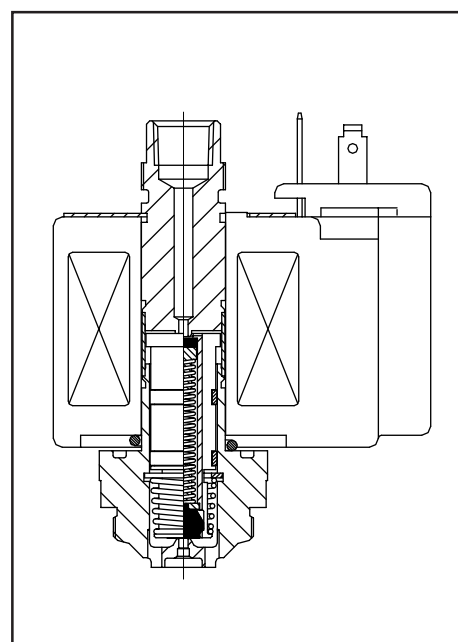
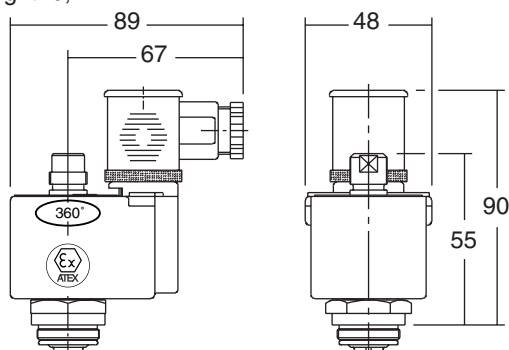
(3) **The minimum allowable ambient temperature is -40°C for the solenoid.** Actual temperature range can be limited depending on valve operation limits.

CONNECTIONS

- The solenoids may be mounted in any position and can be rotated 360° to select the most favourable position for cable entry
- Application of the operator, located within hazardous areas, is not permitted without the addition of an approved and classified device (such as barriers) located between the safe and hazardous area

DIMENSIONS (mm), WEIGHT (kg)

weight: 0,4



ORDERING INFORMATION

A valve supplied with this intrinsically safe operator will be identified with prefix **ISSC** before the catalogue number.

Example: **ISSC B314A300**



FEATURES

- Explosionproof operator for use in potentially explosive atmospheres according to ATEX-Directive 94/9/EC
- N° EC type examination certificate: KEMA 98 ATEX 2544**
- Compliance with the Essential Health and Safety Requirements has been assured by European Standards **EN 50014, EN 50020, EN 50281-1-1 and EN 50284**
- This highly efficient solenoid operates at very low power level (0.4W)
- The continuous duty class F polypropylene moulded spade plug connector coil contains moulded in solid state components for switch-off peak voltage suppression, independent polarity connection and electronic enhancement
- Enclosure provided with integral strain relief for cables with an o.d. from 7 to 12 mm
- Ingress protection degree IP67
- A wide range of ASCO/JOUCOMATIC valves can be supplied with the operator

CONSTRUCTION

Solenoid enclosure	WPIS	Zinc plated steel (epoxy coated)
	WSIS	Stainless steel, AISI 316 SS
Core, core tube and plugnut		Stainless steel
Springs		Stainless steel
Seals and discs		NBR
Riderring		PTFE
Cartridge		Welded, packless AISI 430 SS
Nameplate		Polyester
Coil connection		Embedded screw terminals
Cable gland		Polyamide (PA), M20x1.5
Safety code		II 1 G EEx ia IIC T6 (1) II 2 D IP67 T 85°C

(1) The category "1 G" is only valid if the valve body combination is also approved for the category 1 G (non electrical according to EN 13463-1).

ELECTRICAL CHARACTERISTICS

Standard voltages (2) DC (=) 24V nominal
(2) A minimum current of 28 mA is necessary for optimal performance

TEMPERATURE CLASSIFICATION TABLE

DC (=) Solenoid

Pn (Watt)	solenoid size		maximum ambient °C ⁽³⁾ surface temperature			
	MXX	M12	T6 85°C	T5 100°C	T4 135°C	T3 200°C
Insulation Class F (155°C) 100 % E.D.						
0,4	●	●	60			

Check the wattage compatibility with the product selected.

(3) **The minimum allowable ambient temperature is -40°C for the solenoid.** Actual temperature range can be limited depending on valve operation limits.

CONNECTIONS

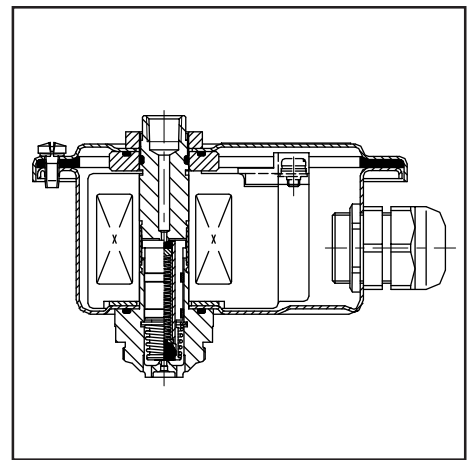
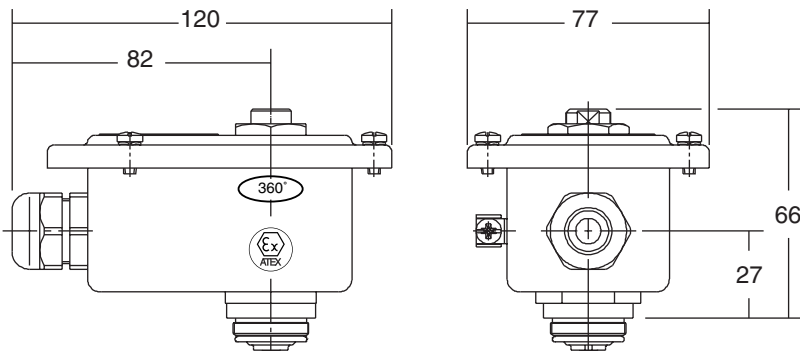
- The solenoids may be mounted in any position and can be rotated 360° to select the most favourable position for cable entry
- Application of the operator, located within hazardous areas, is not permitted without the addition of an approved and classified device (such as barriers) located between the safe and hazardous area

OPTIONS

- Brass nickel plated or stainless steel cable gland
- Conduit hub, 1/2"NPT, M20x1,5, 3/4"NPT or M25x1,5 in aluminium or stainless steel

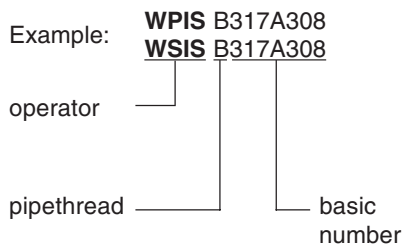
DIMENSIONS (mm), WEIGHT (kg)

weight: 0,59



ORDERING INFORMATION

A valve supplied with this intrinsically safe operator will be identified with prefixes **WPIS** or **WSIS** before the catalogue number.



ASCO/JOUCOMATIC reserves the right to alter the availability, design and specifications without notice.