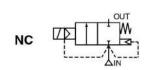
AZZO

SOLENOID VALVES

pilot operated hung piston, for cryogenic service 1/2 - 3/4





FEATURES

- The solenoid valves will withstand the severe service encountered in controlling cryogenic fluids, such as liquid oxygen (-183°C), liquid argon (-186°C) and liquid nitrogen (-196°C)
- · Hung piston construction
- · Valves do not require a minimum operating pressure
- · Reliable control in low pressure, high flow systems
- All valves are degreased, cleaned, tested and packed to keep them free from moisture. In addition liquid oxygen (LOX) valves are "black light" tested to check for any hydrocarbons
- · The solenoid valves satisfy all relevant EC directives



Differential pressure 0 - 9 bar [1 bar =100 kPa]

Response times 75 - 100 ms

fluids (*)	temperature range (TS)	seal materials (*)		
cryogenic fluids	- 196°C to + 90°C	PTFE		



(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass

Core tubeStainless steelCore and plugnutStainless steelSpringsStainless steelPistonBrassSeatBrass

Seat Brass
Seals PTFE
Pieton rings

Pïston rings PTFE carbon filled
Core disc PTFE reinforced

Piston disc PTFE
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class H

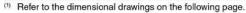
ConnectorSpade plug (cable Ø 6-10 mm)Connector specificationISO 4400 / EN 175301-803, form A

Electrical safety IEC 335

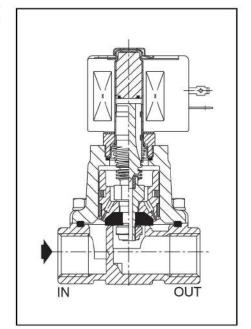
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=): Contact us

(Other voltages and 60 Hz on request) AC (~): 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings				operator	replaceme			
	inrush ~ (VA)	holo	ling hot/cold		ambient temperature	replaceme	A		
		~		=	range (TS)	~	=	type (1)	
		(VA)	(W)	(W)	(C°)	230 V/50 Hz		7	
SC	78	35	16,7		-20 to + 50	400426-517	-	01	









SPECIFICATIONS

pipe size	orifice	flow coefficient Kv		operating pressure differential (bar)		power	r coil	catalogue number	options		
	size			min.	max. (PS) (W) cryogenic fluids (*)		v)	number			
Rp (mm)		(m³/h) (l/min)			·*	~	=	~	maintained man. operator		
NC - N	Vormally	/ close	d								
1/2	16	3,3	55	0	9	16,7	- 1	SCE222E002LT	MO	-	
3/4	19	5,1	85	0	9	16,7	· •	SCE222F003LT	MO	-	

00118GB-2007/R01 Availability, design and specifications are subject to change without notice.