AZZO

SOLENOID VALVES

direct operated core disc, for cryogenic service 1/8 to 3/8 NC

2/2 Series 263LT

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)
- 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
- Valves do not require a minimum operating pressure
- · Valve are provided with stainless steel seats
- · The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure See "SPECIFICATIONS" [1 bar =100 kPa]

Maximum viscosity65 cSt (mm²/s)Response times5 - 25 ms

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

MATERIALS IN CONTACT WITH FLUID

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

Body Brass

Core tubeStainless steelCore and plugnutStainless steelSpringsStainless steelSeatBrassSealsLead-clad copper

Disc PTFE Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F

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

Electrical safety IEC 335

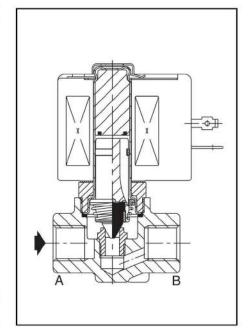
Electrical enclosure protection
Standard voltages

Moulded IP65 (EN 60529)
DC (=): Contact us

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

prefix option	power ratings				operator	replaceme	T	
	inrush ~	holding ~		hot/cold =	ambient temperature	replaceme	type (1)	
					range (TS)	~	=	type 🗤
	(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz		
sc	55	23	10,5		-20 to + 75	400425-117	•	01
	78	35	16,7	(*)	-20 to + 50	400425-217		01







SPECIFICATIONS

pipe size	orifice	flow coefficient Kv		operating pressure differential (bar)		power coil		catalogue number	options			
	size			min.	max. (PS) in. cryogenic fluids (*)		"	Hamber	maintained man. operator			
	(mm)	(m³/h)	(l/min)		~	~	=	~	1 a a			
NC - N	ormall	y close	d				177		- to an analy			_
NPT 1/8	3,2	0,3	5	0	9	10,5		SCB263A240LT	MO	-	-	3
Rp 1/4	5,6	0,48	8	0	7	16,7		SCE263.205LT	MO	-		13
Rp 1/4	7,1	0,6	10	0	3	10,5	-	SCE263.209LT	MO	-	4	
Rp 3/8	5,6	0,48	8	0	7	16,7		SCE263B206LT	MO	-		ः
Rp 3/8	7,1	0,6	10	0	3	10,5		SCE263A210LT	MO	-	•	