ASCA

SOLENOID PILOT VALVES

with 290/390 valves, 32, 50 & 63 mm operators direct operated 1/8

NC



189/banjo 356



FEATURES

- Compact design and low weight enabling easy installation on all series 290 & 390 valves with 32, 50 & 63 mm operators
- · Manual operator allows an easy installation
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Simple installation (supply port, solenoid valve body, coil and connector rotatable through 360°), built-in exhaust regulator (pilot valve series 189/banjo coupling)
- Compliance with UL and CSA standards (pilot valve series 356 coupling)
- The solenoid valves satisfy all relevant EÜ Directives

Differential pressure See «SPECIFICATIONS» [1 bar =100 kPa]

Maximum viscosity 40 cSt (mm²/s) See page V402-7 Response time

pilot (series)	fluids (*)	temperature range (TS)	seal materials (*)			
189 banjo	filtered air	-10°C to +60°C	NBR (nitrile)			
356	filtered air and water	-10 C to +60 C	FPM (fluoroelastomer)			



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

Banjo pilot 189 Pilot 356 **Body** Brass or

glass fibre reinforced stainless steel AISI 316 Core tube Brass Stainless steel Stainless steel Core and plugnut Stainless steel **Springs** Stainless steel Stainless steel PA + Stainless steel Seats Brass or stainless steel

Seals **NBR FPM Shading coil** Copper Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class

Spade plug (cable Ø 6-8 mm) Connector

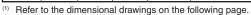
Connector specification DIN 43650, 11 mm, industry standard B

Electrical safety IEC 335

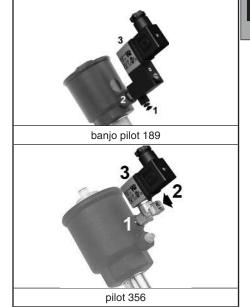
Moulded IP65 (EN 60529) **Electrical enclosure protection** Standard voltages DC (=): 24V - 48V

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

		power	ratings		operator	replacer			
prefix	inrush holding			hot/cold	ambient temperature	Теріасеі	type (1)		
option	~ ~ =		=	range (TS)	~	=	type		
	(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz	24 V DC		
-	6	3,5	2,5	2,5/3	-10 to +60	400127-097	400904-542	01	
SC	12	6	4	5 / 6,9	-10 to +60	400127-197	400127-142	02	







SPECIFICATIONS

nino	orifice		flow coefficient			operating pressure differential (bar)						r coil	catalogue number		
pipe size		Kv					max. (PS)					V)			
						min.	air (*)		water (*)				with maintained manual operator		
	2↔1	1-2→3	2←	> 1	1-2	→3								manda operator	
G	(mm)	(mm)	(m^3/h)	(l/min)	(m³/h)	(l/min)		~	=			~	=	~/=	
NC - I	NC - Normally closed, series 189 banjo pilot														
1/8 (2)	1,2	1,2	0,03	0,5	0,04	0,7	0	10	10	-	-	2,5	3	18900032	
NC - I	Vormall	y close	d, serie	es 189	banjo p	oilot wi	th built	t-in ext	naust r	egulato	or				
1/8 (2)(5)		1,2	0,03	0,5	0,04	0,7	0	10	10	-	-	2,5	3	18900047	
NC - I	NC - Normally closed, series 356 pilot, brass body														
1/8 (2)	1,6	1,2	0,08	1,33	0,05	0,8	0	10	10	10	10	4	6,9	SCG356B053VMS (3)	
NC - I	ormall	y close	d, serie	es 356	pilot, s	tainles	s steel	body			•				
1/8 (2)	1,6	1,2	0,08	1,33	0,05	0,8	0	10	10	10	10	4	6,9	SCG356B058VMS (3)	

- Pine size:
- Port 1: O.D. 4 mm instant fitting (189 banjo) / 1/8 (series 356)
- Port 2: 1/8
- Port 3 (exhaust): M5
- Solenoid valve with 1/8 adapter.
- Refer to leaflets on series 290/390 valves which show the minimum pilot pressure for each version of the product.
- Exhaust regulator integrated at port 3, M5.



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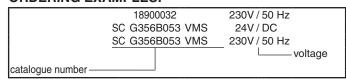
OPTIONS

- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (see "Explosionproof solenoids" section)
- · Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)
- M5 exhaust regulator to fit port 3, catalogue number: 34600380

INSTALLATION

- · The solenoid valves can be mounted in any position without affecting operation
- Pipe connection identifier is G = G (ISO 228/1)
- · Installation/maintenance instructions are included with each valve

ORDERING EXAMPLES:



DIMENSIONS (mm), WEIGHT





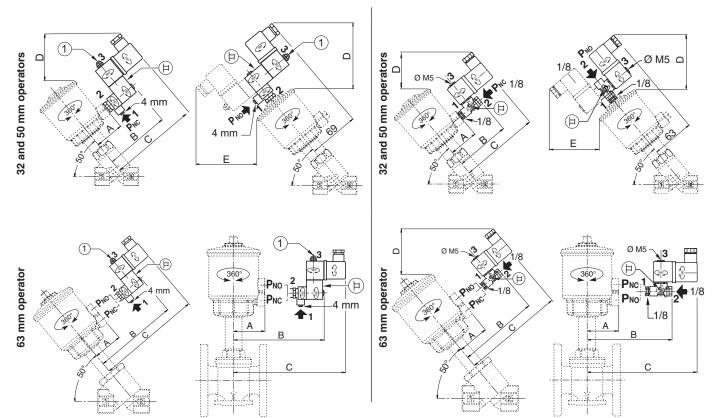
TYPE 01 Pilot 189/banjo Epoxy moulded IÉC 335 / DIN 43650

18900032 - 18900047



TYPE 02 Prefix "SC" Solenoid Pilot 356 Epoxy moulded IEC 335 / DIN 43650 / IP65

SCG356B053VMS - SCG356B058VMS



type prefix option		pilot	operator	Α	В	С	D		E	pilot inlet port		weight (1)
option	option		diameter				NC	NO		NC	NO	
	01 -	189/banjo series	32 mm	27	78,5	113,5	79	102	85	P _{NC}	P _{NO}	0,175
01			50 mm	43	93	149	67	83	74			
			63 mm	50,5	100	156	53	62	-			
			32 mm	27	68	102	65	90	85			
02 SC	356 series	50 mm	43	84	118	56	80	74	P _{NC}	P _{NO}	0,165	
			63 mm	50,5	91,5	125,5	41	59	-			

 Exhaust regulator location



