

FEATURES

- The diaphragm pulse valves are especially designed for dust collector service applications, combining high flow, long life and extremely fast opening and closing to produce reliable and economical operation
- The high flow, angle type bodies, springless construction, in combination with the special diaphragm assemblies give the unique operating features required for dust collector service applications
- Integral compression fittings for fast, easy, secure installation
- Built-in silencers reduce noise and prevent foreign particles from entering the valve
- The integral operators are provided with epoxy moulded F-class coils. Various optional waterproof and explosionproof solenoids for use in potentially explosive atmospheres (gas & dust) according to Directive ATEX 94/9/EC can be mounted on the same basic valve (see pages 49 to 57)
- The valves satisfy all relevant EC directives

GENERAL

Differential pressure (PS) 0,35 - 8,5 bar [1 bar = 100kPa]

Ambient temperature range -20 to +85°C

fluids (*)	temperature range (TS)	diaphragm (*)
air	-20 to +85 °C	TPE

MATERIALS IN CONTACT WITH FLUID

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

Body	Aluminium / Stainless steel 316L
Core tube	Stainless steel
Core and plugnut	Stainless steel
Core spring	Stainless steel
Sealings & disc	NBR (nitrile)
Diaphragm	TPE (thermoplastic polyester elastomer)
Shading coil	Copper
Coil insulation class	F
Connector	Spade plug (cable Ø 6 - 10 mm)
Connector specification	ISO 4400
Electrical safety	IEC 335

ELECTRICAL CHARACTERISTICS

Standard voltages DC (=): 24V

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

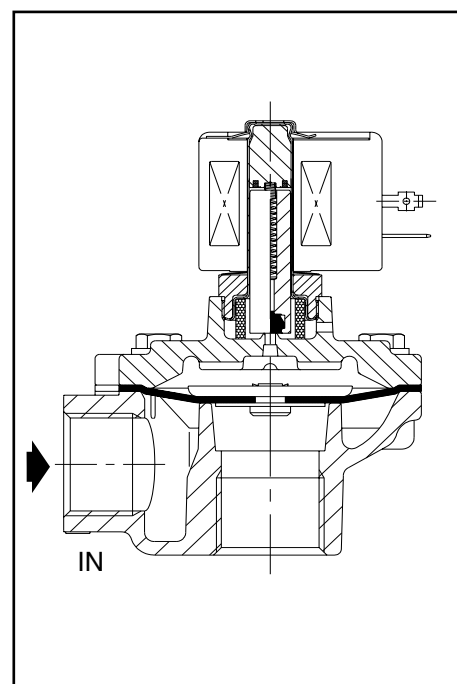
coil type	nominal power ratings				operator temperature range (TS) (°C)	protection
	inrush	holding		hot/cold		
	~ (VA)	~ (VA)	(W)	= (W)		
CM6-FT	34	15,6	6	-	-20 to +85	IP65/IP67
CM6-FT (1)	-	-	-	14 / 20,8		IP65/IP67
CMXX-FT	55	23	10,5	-		ATEX-NF
CMXX-FF	-	-	-	14 / 19,7		ATEX-NF

(1) Intermittent duty, Relative Duty Time is 10%. Max. on time is 1 min.

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)		prefix optional solenoids					catalogue number		FPM	
				min.	max. (PS)									
					air (★)	ATEX								
G	(mm)	(m³/h)	(l/min)		~/=	SC	WP	SCDU	WP(T)DU	NF	aluminium	stainless steel 316L		
G - Threaded pipe connection														
3/4	24	14	233	0,35	8,5	●	●	●	●	●	G353A043	G353A132	V	
1	27	17	283								G353A044	G353A133	V	
Ø - Compression fitting pipe connection														
3/4	24	14	233	0,35	8,5	●	●	●	●	●	G353-052	-	V	
1	27	17	283								G353-053	-	V	

• : Available feature



OPTIONS

- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE 10
- Explosionproof solenoids for hazardous locations according to ATEX and national standards
- **IECEX** certification
- Compliance with “**UL**” standards
- Plug with visual indication and/or peak voltage suppression
- Electronic timer
- Valves can also be supplied with FPM (fluoroelastomer) diaphragms and seals. Use the appropriate optional suffix letter for identification

INSTALLATION

- The valves can be mounted in any position without affecting operation
- Threaded pipe connection is G (ISO 228/1) or compression fitting
- For compression fitting types tightness is achieved by the compressed gasket on the blow tube
- The use of the rubber gaskets as sealing members will allow a slight misalignment in piping when using compression fittings
- Other pipe threads are available on request
- Installation/maintenance instructions are included with each valve
- Spare parts kits and replacement coils are available

DIMENSIONS (mm), WEIGHT (kg)

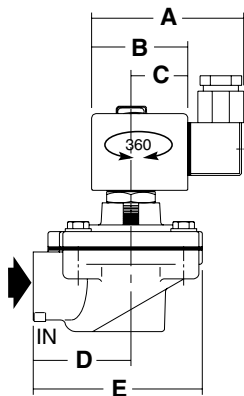


Fig. 1: Threaded pipe connection - aluminium

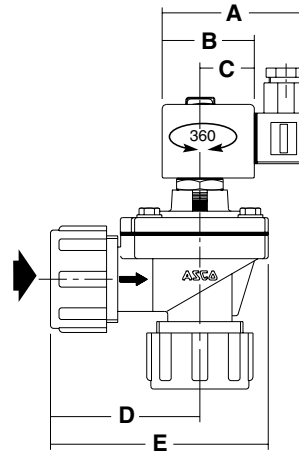
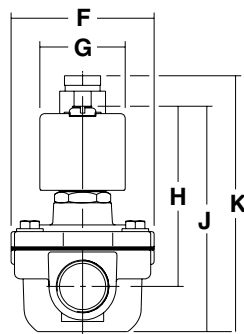


Fig. 2: Compression type fitting - aluminium

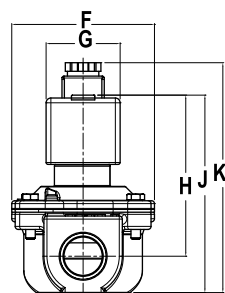
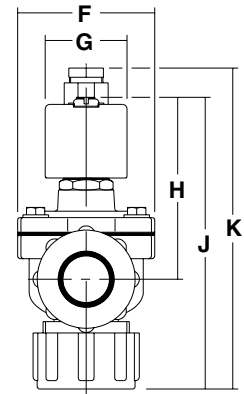
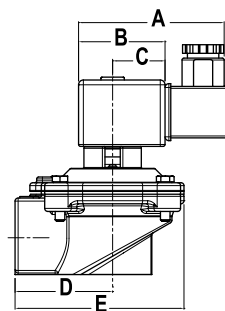


Fig. 3: Threaded pipe connection - stainless steel



catalogue number	A	B	C	D	E	F	G	H	J	K	weight (1)	(C)
SC(DU)G353A043	75	45	27	51	89	75	39	92	113	130	0,70	Fig. 1
SC(DU)G353A044	75	45	27	51	89	75	39	92	113	130	0,65	Fig. 1
SC(DU)G353-052	75	45	27	81	125	75	39	92	175	195	0,85	Fig. 2
SC(DU)G353-053	75	45	27	81	125	75	39	92	175	195	0,90	Fig. 2
SC(DU)G353A132	75	45	27	51	89	75	39	92	113	130	1,30	Fig. 3
SC(DU)G353A133	75	45	27	51	89	75	39	92	113	130	1,20	Fig. 3

(1) Incl. coil and connector

(C) Construction type