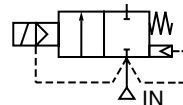


# PULSE VALVES

dual stage, integral pilot  
threaded body 1 1/2 to 3 or  
compression fitting Ø 1 1/2

NC



**2/2**  
Series  
**353**

## FEATURES

- The pulse diaphragm 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 in combination with the special main diaphragm assemblies give the unique operating features required for dust collector service applications
- The design with integral compression fittings will facilitate installation because there is no need for threaded piping
- The high quality diaphragms are reinforced and wear resistant to guarantee a long operating life, even under harsh conditions
- Integral pilot operated valves satisfy all relevant EC directives

## GENERAL

**Differential pressure** 0,35 - 8,5 bar [1 bar = 100kPa]

**Ambient temperature range** -20 to +85°C

fluid (*)	temperature range (TS)	diaphragm (*)
air	-20 to +85°C	CR (chloroprene)

## MATERIALS IN CONTACT WITH FLUID

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

<b>Body</b>	Aluminium
<b>Core tube</b>	Stainless steel
<b>Core and plugnut</b>	Stainless steel
<b>Springs</b>	Stainless steel
<b>Seals &amp; disc</b>	NBR (nitrile)
<b>Diaphragms</b>	CR (chloroprene)
<b>Shading coil</b>	Copper

## ELECTRICAL CHARACTERISTICS

<b>Coil insulation class</b>	F
<b>Connector</b>	Spade plug (cable Ø 6 - 10 mm)
<b>Connector specification</b>	ISO 4400 / EN 175301-803, form A
<b>Electrical safety</b>	IEC 335
<b>Standard voltages</b>	DC (=): 24V
(Other voltages and 60 Hz on request) AC (~): 24V - 115V - 230V / 50 Hz	

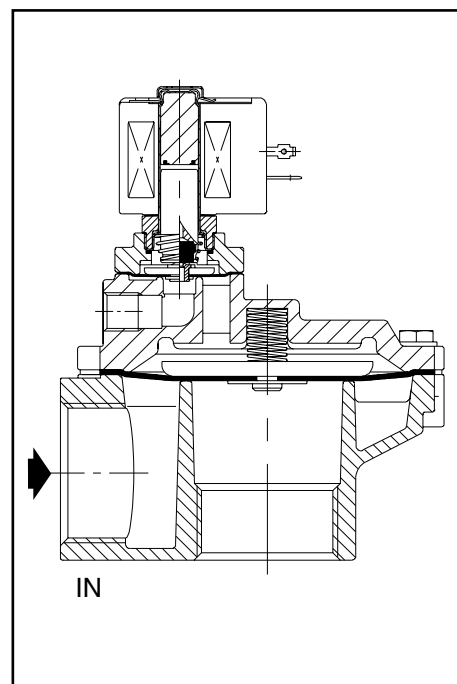
coil type	nominal power ratings				ambient temperature range (TS) (°C)	protection
	inrush	holding		hot/cold		
	(VA)	(VA)	(W)	(W)		
CMXX-FT	55	23	10,5	9 / 11,2	-20 to +85	moulded IP65
CMXX-FF	-	-	-	14 / 19,7		

## SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)			coil type		catalogue number	OPTIONAL				
				min.	maximum (PS)					FPM (2)	EPDM	CR	PTFE	
	air (*)													
	(mm)	(m³/h)	(l/min)		~	=	~	=						
G - Threaded pipe connection														
1 1/2	52	46	768	0,35	8,5	8,5	CMXX-FT	CMXX-FF	SCG353A047	V				
2	66	77	1290	0,35	8,5	8,5	CMXX-FT	CMXX-FF	SCG353A050	V				
2 1/2	66	92	1540	0,35	8,5	8,5	CMXX-FT	CMXX-FF	SCG353A051	V				
3	75	170	2833	1,0	6	6	CMXX-FT	CMXX-FF	SCG353.060 (1)	V				
Ø - Compression fitting pipe connection														
1 1/2	52	43	717	0,35	8,5	8,5	CMXX-FT	CMXX-FF	SCG353A065	V				

(1) Threaded pipe connections are external (male thread) on G3.

(2) Does not apply to compression fitting seals.



# SOLENOID VALVES SERIES 353

## OPTIONS

- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE 10
- Explosionproof solenoids for hazardous locations according to "ATEX" (CENELEC) and national standards
- Explosionproof and watertight solenoids according to "NEMA" standards
- Hose connection executions (3" only)
- Compliance with "UL" standards
- Plug with visual indication and/or peak voltage suppression
- Electronic timer
- Valves can also be supplied with FPM (fluorelastomer) diaphragms and seals. Use the appropriate suffix letter for identification

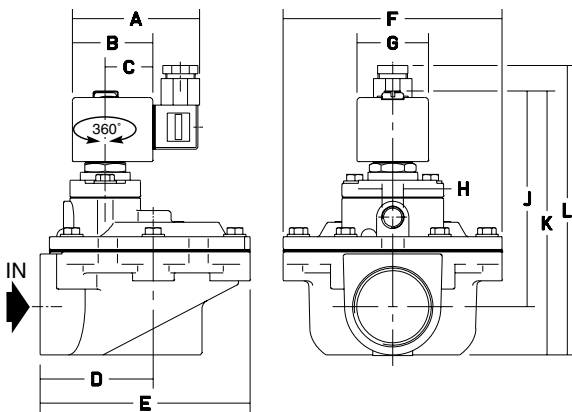
## INSTALLATION

- 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
- Other pipe threads are available on request
- Installation/maintenance instructions are included with each valve
- Spare Parts Kit and replacement coils are available

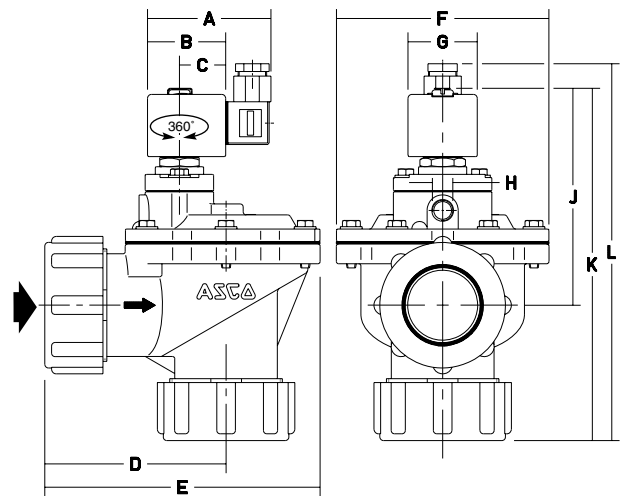
## DIMENSIONS (mm), WEIGHT (kg)



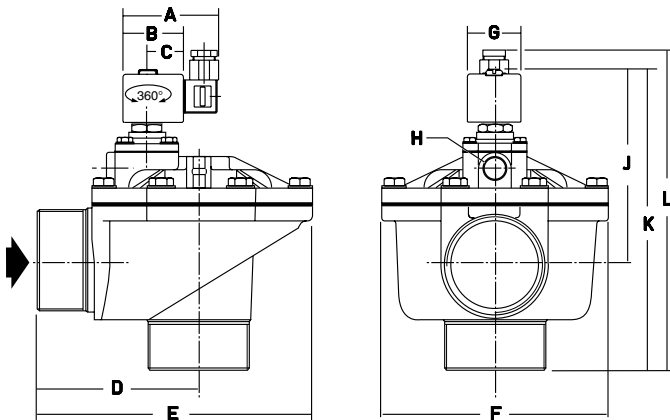
threaded pipe version (Fig.1)



compression fitting pipe version (Fig.2)



external pipe threaded version (Fig.3)



catalogue number	A	B	C	D	E	F	G	H	J	K	L	weight (1)	(C)
SCG353A047	80	50	30	71	130	136	45	G 3/8	131	161	178	1,40	Fig.1
SCG353A050	80	50	30	95	168	165	45	G 3/4	165	210	227	2,90	Fig.1
SCG353A051	80	50	30	95	168	165	45	G 3/4	165	210	227	2,60	Fig.1
SCG353.060	80	50	30	143	240	192	45	G 1/2	165	258	275	4,10	Fig.3
SCG353A065	80	50	30	117	177	136	45	G 3/8	131	225	242	1,75	Fig.2

(1) incl. coil and connector

(C) construction type