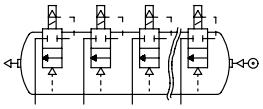
TANK SYSTEM
(Ø 6" - 8" - 10")
integral pilot
1 - 1 1/2 - 2

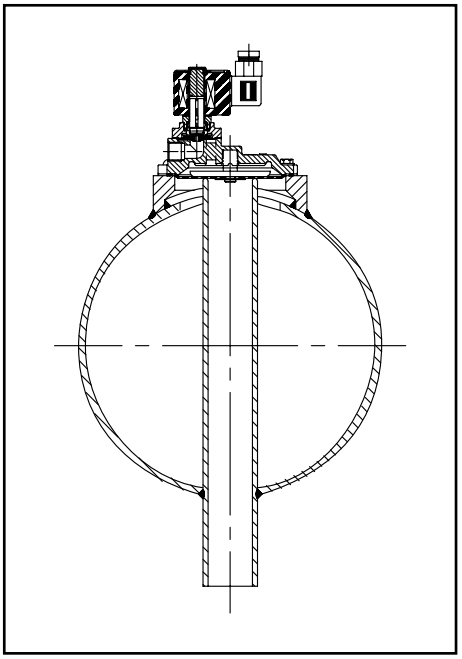
NC 

2/2
Series
357

FEATURES
- *Immersion tank system using steel profile and welded end covers with CE approval according to Directive 87/404/EC*
- *Immersed valve system with special diaphragm design offers highest peak pressure and best flow performance operating features required for dust collector applications*
- *The high quality diaphragms are reinforced and wear resistant to guarantee a long operating life, even under harsh conditions*
- *Possibility to apply different combinations of pitch distances*
- *Service connections for different accessories such as: filter regulator, pressure gauge, safety valve and automatic/manual drain valve*
- *Available with hose and threaded blow pipe connections*
- *The integral operators are provided with epoxy moulded F-class coils*

GENERAL
Differential pressure (PS) 0,35 to 8 bar [1 bar = 100kPa]
Ambient temperature range -10 to +80°C

fluid	temperature range (TS)	seal materials
air	-10 to +80°C	CR (chloroprene)



CONSTRUCTION
Tank	Steel, grey
Bonnet	Aluminium
Bolts	Stainless steel
Core tube	Stainless steel
Core and plugnut	Stainless steel
Spring	Stainless steel
Sealing & discs	NBR (nitrile)
Diaphragm	CR (chloroprene)
Shading coil	Copper
Coil insulation class	F
Connector	Spade plug (cable Ø 6-10mm)
Connector specification	ISO 4400
Electrical safety	IEC 335

ELECTRICAL CHARACTERISTICS
Standard voltages: DC (=) : 24V - 48V;
(Other voltages and 60 Hz on request) AC (~) : 24V - 48V - 115V - 230V / 50Hz

coil type	nominal power ratings				protection
	inrush ~	holding ~		hot/cold =	
	(VA)	(VA)	(W)	(W)	
CMXX-FT	55	23	10,5	-	moulded IP65
CMXX-FT	-	-	-	14 / 19,7	

SPECIFICATIONS
pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)		catalogue number	
				min	max. (PS) air		
	(mm)	(m^3/h)	(l/min)		~ / =	hose	threaded
6" Tank System							
1"	25	17	283	0,35	8	**SCG357AExx** (1) (2)	**SCG357AFxx** (1) (2)
8" Tank System							
1 1/2"	40	46	768	0,35	8	**SCG357ANxx** (1) (2)	**SCG357AOxx** (1) (2)
10" Tank System							
2"	66	77	1290	0,35	8	**SCG357AVxx** (1) (2)	**SCG357AWxx** (1) (2)

(1) *Standard tank has round ends. For flat ends use suffix FE*
(2) *xx indicates the number of valves*

ORDERING

Example: Dimension code for a 4 valves tank system:

Tank diameter	6"
Operator	SC, 24V/DC
Pipe size	1"
Connection	Hose (see fig. 1: Connection Type)
Number of valves	4 pcs
Start and End distance	140 mm
Standard pitch	180 mm
Deviating pitch	Between valve no. 3 and no. 4 is position D (see fig. 1) 200 mm
Catalogue number	SCG357AE04 24V/DC
Dimension code	140180D200

ORDERING EXAMPLE TANK SYSTEM:

SCG357AE 04 (*) 24 V/DC + 140 180 D200

- D200 — deviating pitch
- 180 — standard pitch
- 140 — start & end dist.
- 24 V/DC — voltage
- (*) — tank end type
- 04 — no. of valves
- SCG357AE — catalogue no.

DIMENSIONS (mm)

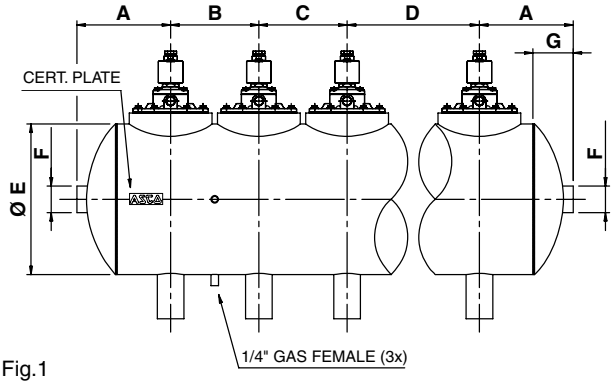
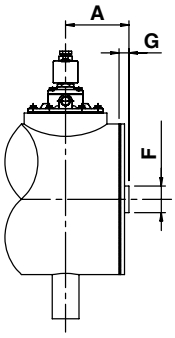
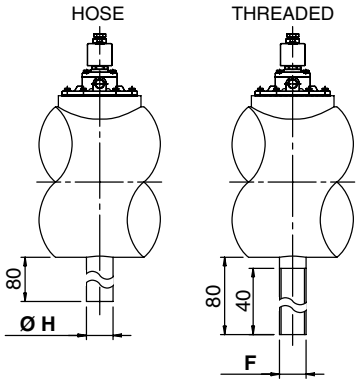


Fig.1



Flat ends (Suffix "**FE**")



Connection Type

tank diameter	fig.	A min. start distance		B / C / D minimum pitch		A min. end distance		Ø E	F	G		Ø H
		(round)	(flat)	(round)	(flat)	(round)	(flat)					
6"		140	105	120	120	140	105	168,3	G 1"	50	15	33,4
8"	1	170	118	160	160	170	118	218,1	G 1 1/2"	70	18	48,3
10"		205	133	185	185	205	133	273,0	G 2"	90	18	48,3

(✶) *For standard tank (round ends) use no suffix, for flat ends use suffix FE*

MOUNTING BRACKETS

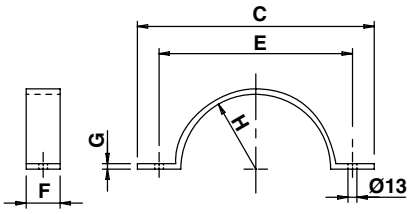


Fig.2 - Contra bracket

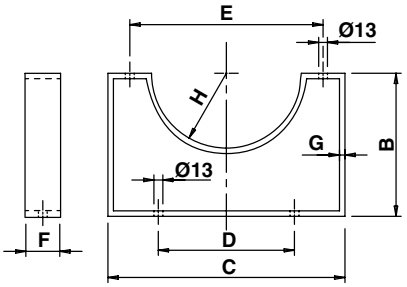


Fig.3 - Bracket

tank diameter	fig.	C	Ø E	F	G	H
6"		292	230	50	8	84
8"	2	348	284	50	8	110
10"		424	350	50	8	136

tank diameter	fig.	B	C	D	Ø E	F	G	H
6"		170	292	150	230	50	8	84
8"	3	210	348	200	284	50	8	110
10"		161	424	250	350	50	8	136

INSTALLATION

- Tank System can be mounted in any position. We can supply standard mounting brackets with each tank by specifying suffix MB behind the catalogue number (see figure 2 and 3)
- Installation / maintenance instructions and declaration of conformity are included with each tank system
- Spare part kits and coils are available