

### FEATURES

- Tank system using aluminium profile and end covers with CE approval according to Pressure Equipment Directive 2014/68/EU, modules B1+D
- For use in dust collector applications requiring high flow capacity and accurate process control
- Full immersed valve system with polychloroprene (CR) diaphragm design offers highest peak pressure and best flow performance
- The high quality polychloroprene (CR) diaphragm guarantees a long operating life and a large temperature range
- Possibility to apply different combinations of pitch distances and up to 18 valves
- Easy to connect to other tank systems. Service connections for different accessories such as: filter regulator, pressure gauge, safety valve and automatic/manual drain valve
- Several blow pipe connections available, such as: Quick Mount, push-in, hose or male or female threaded
- Tanks are available in a direct control valve version with a selection of coil systems and voltages or as a remote control, single or double diaphragm version for external pilot valves or pilot boxes
- The integral operators are provided with epoxy moulded F-class coils. Various optional explosionproof solenoids for use in potentially explosive atmospheres according to Directive ATEX 2014/34/EU, Zones 21+22 can be mounted



### GENERAL

<b>Pressure inlet connection</b>	ISO 228/1, G 1 1/2" female
<b>Air operating pressure</b>	min. 1,0 max. 8,0 bar
<b>Safety pressure</b>	12,2 bar
<b>Flow rate</b>	Kv 43,3 = 724 l/min
<b>Ambient temperature range</b>	-20°C to +85°C

### Tank System

<b>volume</b>	0,314 dm <sup>3</sup> / cm
<b>recommended min. tank volume</b>	15 dm <sup>3</sup>
<b>min. pitch distance</b>	end cap 110 mm for bracket 120 mm; between valve 160 mm
<b>maximum length</b>	3000 mm

The tank system can be mounted in any position without affecting operation

fluids	temperature range (TS)	diaphragm
air	-20 to +100 °C	CR (polychloroprene)

### CONSTRUCTION

<b>Tank</b>	Anodised aluminium profile EN AW-6060 T66
<b>Valve, outlet adapter</b>	Die-cast aluminium GD-ALSi12 to EN 1706
<b>End caps</b>	Die-cast aluminium GD-ALSi12 to EN 1706
<b>Spring</b>	Stainless steel
<b>Plugs</b>	PA (polyamide)
<b>Sealings &amp; disc</b>	NBR (nitrile)
<b>Screws</b>	Steel 8.8
<b>Diaphragm</b>	CR (optionally FPM or TPE)
<b>Mounting brackets</b>	stainless steel AISI 304 (1.4301)
<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>	3 x DIN 46244
<b>Electrical safety</b>	IEC 335
<b>Standard voltages</b>	DC (=) : 24V
(Other voltages and 60 Hz on request)	AC (-) : 24V - 120V - 230V / 50 Hz

coil type	nominal power ratings				operator temperature range (TS) (°C)	protection	replacement coil	
	inrush ~ (VA)	holding ~ (VA) (W)		hot/cold = (W)			~ 230 V/50 Hz	= 24 V DC
RHII-MXX-FT	55	23	10,1	-	-20 to +85	moulded IP65	238613-159	-
RHII-MXX-FB	-	-	-	15 / 22,6			-	238713-106

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**ALUMINIUM TANK SYSTEM**

**HOW TO ORDER**

**15-DIGIT PRODUCT CODE**

**G 355 B 8 M B S 0000 F1**

**Thread connection**  
G = ISO 228/1

**Product series**  
355

**Revision letter**  
B

**Diameter code / diaphragm material**  
8 = 8" / Polychloroprene (CR)  
F = 8" / Fluoroelastomer (FPM)  
C = 8" / Thermoplastic polyester elastomer (TPE)  
Only for single stage remote version

**Outlet connection type**  
K = Push-in with clamps  
W = Push-in without clamps  
U = Male hose connection  
M = Male thread connection  
F = Female thread connection

**Number of valve stations**  
1 = 1  
... ..  
A = 10  
B = 11  
C = 12  
D = 13  
E = 14  
F = 15  
G = 16  
H = 17  
J = 18

**Voltage - class**

- F1 = 24 DC - Class F
- FL = 24/50 - Class F
- FH = 230/50-60 - Class F
- F2 = 120/60 - Class F
- 00 = All remote valves no voltage required

**Dimensions and option code**

Consult our Dynamic Product Modeling Tool on: [www.asconumatics.eu](http://www.asconumatics.eu)  
Mounting brackets (2 or 3) depending on total weight  
Silencer for double stage valves

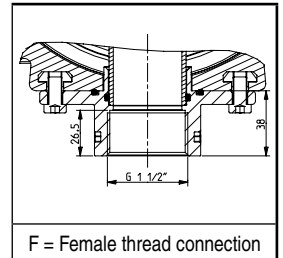
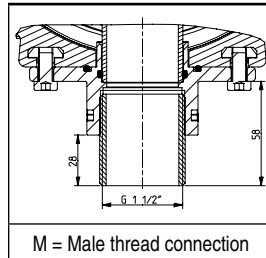
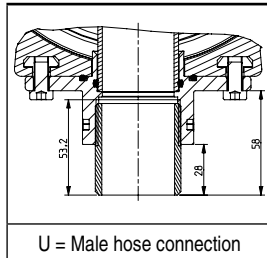
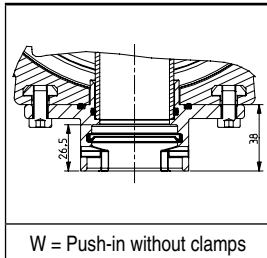
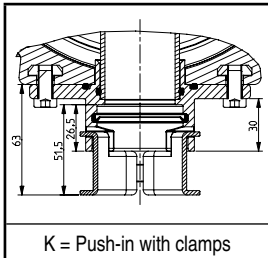
**Pitch/dimensions**

Dimension code for distance between valves, end caps and mounting brackets is determined by ASCO

**Actuation**

- 1 = Remote single stage prepared for pilot box, incl. brackets; push in fittings; plastic tube
  - 2 = Remote double stage prepared for pilot box, incl. brackets; push in fittings; plastic tube
  - 3 = Remote control single stage
  - 4 = Remote control double stage
  - 5 = Remote single stage prepared for pilot box ATEX II G/D
  - 6 = Remote double stage prepared for pilot box ATEX II G/D
  - 7 = Remote control single stage ATEX II G/D
  - 8 = Remote control double stage ATEX II G/D
  - S = Solenoid operators SC IP65 ISO 4400
  - D = Solenoid operators SG ATEX 3D
  - N = Solenoid operators NF ATEX 2G/D
  - E = Solenoid operators EM ATEX 2G/D
  - P = Solenoid operators PV ATEX 2G/D
  - F = Solenoid operators EF NEMA 7+9 ICS-6 ANSI
- For more technical information see catalogue page "OPERATORS"

**OUTLET CONNECTION TYPES**



**SPARE PARTS KITS**

designation	spare parts kit no.
Double remote operated valve	<b>C113826</b>
Solenoid operated valve	<b>C113827</b>
Spare parts for valve sealings	<b>M200336A00</b>
Spare parts kit for pilot box mounting brackets	<b>M200337A00</b>
Fastening kit	<b>P355BA433942001</b>

**ORDERING INFORMATION**

**DIMENSIONS (mm), WEIGHT (kg), VOLUME (l)**

**Solenoid operated valve system**  
including spade plug connector ISO 4400, IP65, IEC 335

Fig. 1 (front view)

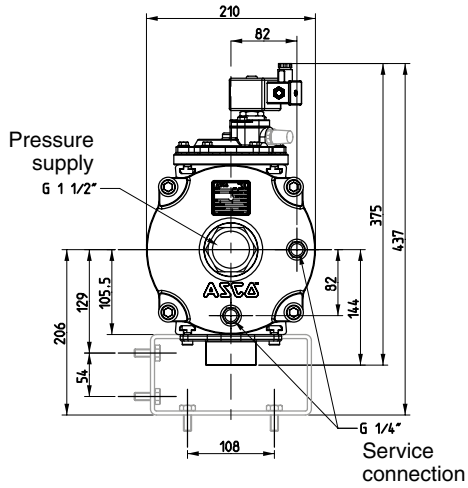
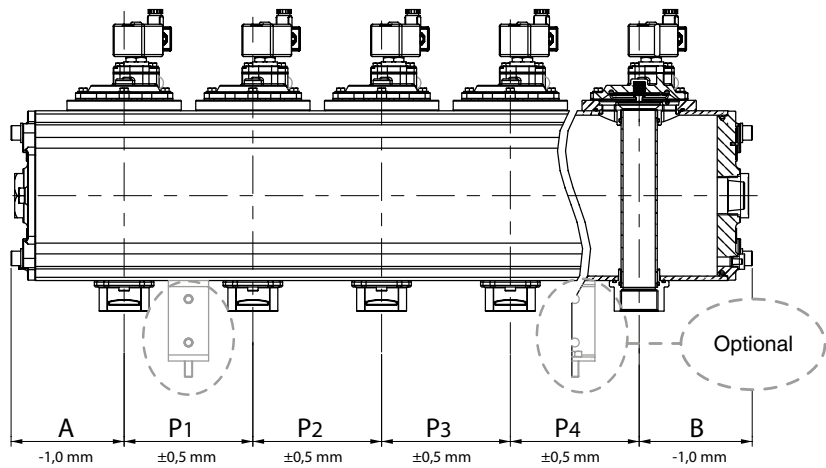


Fig. 2 (side view)



**Example I: Dimension code for a 5 solenoid operated valve 24 DC tank system with push-in outlet:**

<b>Start distance</b>	A = 125 mm
<b>Standard pitch</b>	P = 1+2+3+4 = 175 mm
<b>End distance</b>	B = 125 mm
<b>Total dimension</b>	950 mm
<b>Weight</b>	27 kg
<b>Volume</b>	26 l
<b>Order number</b>	<b>G355B8W5S0015F1</b>

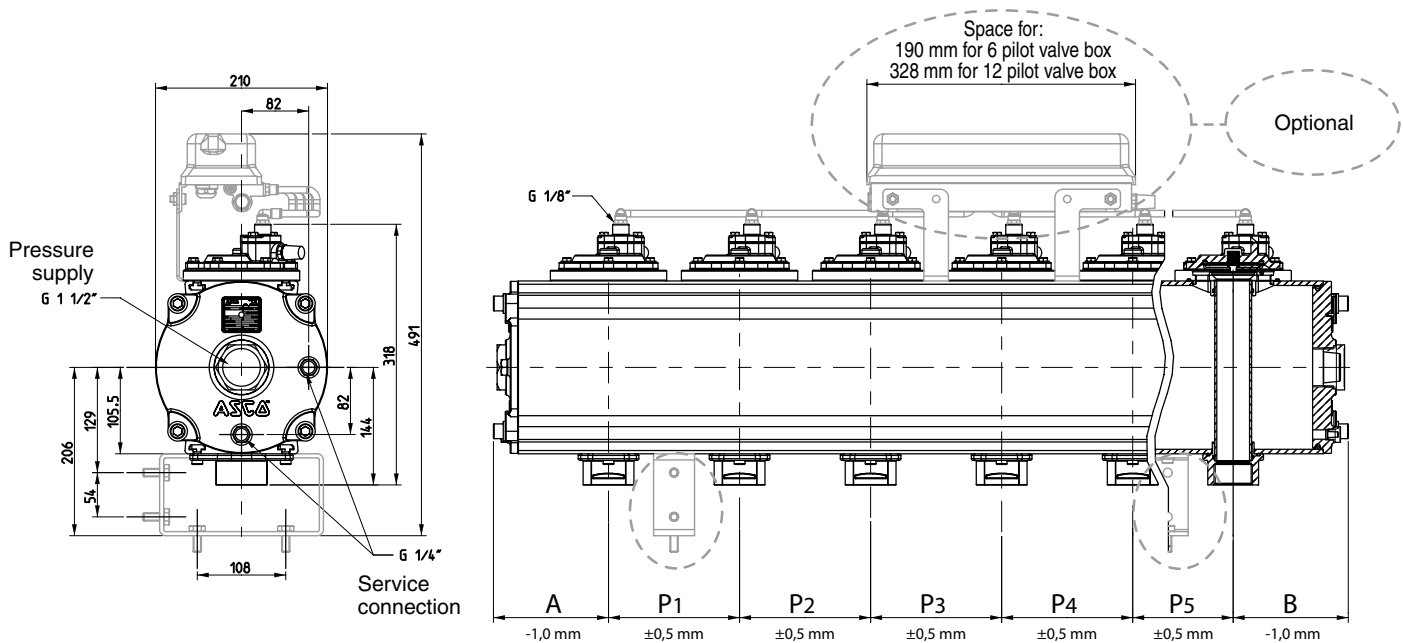
**For assistance please consult our website:** [www.asconumatics.eu](http://www.asconumatics.eu)

**ORDERING INFORMATION**
**DIMENSIONS (mm), WEIGHT (kg), VOLUME (l)**

**Remote double staged operated valve system prepared for pilot box**  
including pilot box mounting brackets, push-in fittings and tubes for G 1/8" pilot box series 110

Fig. 1 (front view)

Fig. 2 (side view)



**Example II: Dimension code for a 6 double remote operated valve tank system prepared for pilot box with clamp outlet:**

<b>Start distance</b>	A = 137 mm
<b>Standard pitch</b>	P = 1+2+4+5 = 190 mm
<b>Deviating pitch</b>	P = 3 = between valve 3 and 4 = 260 mm
<b>End distance</b>	B = 137 mm
<b>Total dimension</b>	1294 mm
<b>Weight</b>	34 kg
<b>Volume</b>	37 l
<b>Order number</b>	<b>G355B8K62001600</b>

For technical information on ASCO pilot boxes see catalogue series 110  
For assistance please consult our website: [www.asconumatics.eu](http://www.asconumatics.eu)

**OPTIONS**

- Special customised executions
- Valve can be supplied with FPM (fluoroelastomer) and TPE (thermoplastic polyester elastomer) diaphragms.
- Waterproof enclosures with embedded screw terminal coil according to protection class IP67, CEE 10
- Explosionproof solenoids for hazardous locations according to "ATEX" and national standards
- Explosionproof and watertight solenoids according to "NEMA" standards
- Separate Quick Mount clamps for outlet connection; kit number: **C117-290**

**INSTALLATION**

- The tank system can be mounted in any position using the standard brackets (M8 bolts recommended) without affecting operation.
- Pipe connection identifier is: G = according to ISO 228/1 and ISO 7/1, or Ø for other outlet connections
- For Quick Mount types tightness is achieved by the O-ring sealing on the pipe (1 1/2" = Ø47,8 to 48,8) according to ISO 4200.
- When connecting piping or tubing to the G 1/8" or G 1/4" connection in the valve bonnet, the remote ASCO pilot valve should be mounted as close as possible to the main pulse valve. Connection tubing lengths of 3 meters or less have little effect on the pulse response. Installations with over 3 meters of tubing must be tested under actual operating conditions. Tubing with Ø6 or Ø8 mm O.D. is recommended for all installations.
- Installation/maintenance instructions and declaration of conformity are included with each tank system.
- Spare parts kits and coils are available.