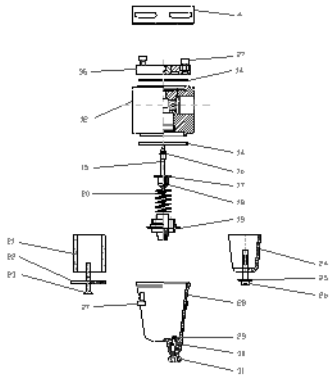
AISI 316 and Aluminium Filter , Regulator and Filter-regulator 06,08 Series



IMPORTANT

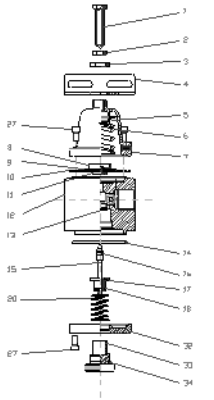
Before commencing any maintenance, shut off and lockout the air supply and exhaust downstream pressure, this can be done with an exhaust type ball valve. Switch off the electrical current.

INSTALLATION

1. Shut off air pressure. Install filter/regulator in air line - vertically (bowl down),with air flow in direction of arrow on body, as close as possible to the device being serviced.
2. Connect piping to proper ports using pipe thread sealant on male threads only. Do not allow sealant to enter interior of unit.
3. Install a pressure gauge or plug the gauge ports. Gauge ports can also be used as additional outlets for regulated air.

ADJUSTMENT

1. Before applying inlet pressure to filter/regulator, turn adjustment (1) counter clockwise to remove all force on regulating spring (6).
2. Apply inlet pressure, then turn adjustment (1) clockwise to increase and counter clockwise to decrease outlet pressure setting.
3. Always approach the desired pressure from a lower pressure. When reducing from a higher to a lower setting, first reduce to some pressure less than that desired, then bring up to the desired pressure.



NOTE

With non-relieving filter/regulators, make pressure reductions with some air flow in the system. If made under no flow (dead-end) conditions, the filter/regulator will trap the over-pressure in the downstream line.

4. Once required pressure is achieved tighten locknut (2) to lock setting.

SERVICING

1. For manual drain models, regularly open drain to expel accumulated liquids. Keep liquids below filter element .
2. At approximately 6 month intervals it is advisable to remove the bowl assembly by removing the securing screws (27) and unscrewing the filter element (21 or 24) for inspection.
3. Clean or replace filter element when dirty.

When diaphragm assembly (8,9,10,11) is replaced also valve assembly (15,16,17,18) have to be change .

Clean the filter element (21 or 24) and valve assembly (15,16,17,18).
Inspect the bowl O-ring (14) for damage and renew if necessary.

DISASSEMBLY

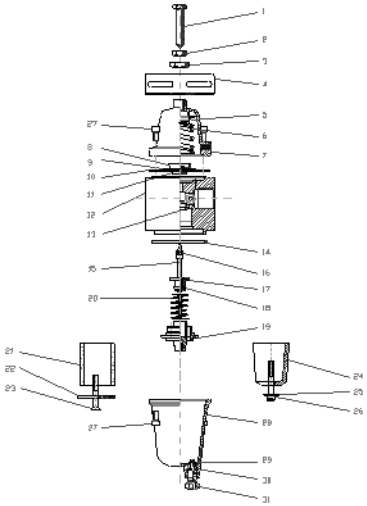
1. Filter/regulator can be disassembled without removal from air line.
2. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero.
3. Turn adjustment screw fully counter clockwise.
4. Disassemble in general accordance with the item numbers on exploded view. Do not remove the drains unless replacement is necessary. Remove and replace drains only if they malfunction.

CLEANING

1. Rinse and dry parts. Blow out internal passages in body (12) with clean, dry compressed air. Blow air through filter element (21 or 24) from inside to outside to remove surface contaminants.
2. Inspect parts. Replace those found to be damaged.

ASSEMBLY

1. Lubricate threads and nose of adjusting screw (1) at regular intervals with suitable grease.
2. Lubricate seals (14, 16, 18) with light coat of good quality grease.
2. Assemble the unit as shown on the exploded view.



Instructions

Using these equipments in potentially explosive atmospheres it is recommended for the installation and the maintenance operation to use tools and instruments that can produce only a single spark (for instance: screwdrivers, spanners). To avoid use of tools that can produce sparks like disk saw or grinder

Action must be taken to put to earth the units through a suitable connection, checking that all the metal components (fittings and pipe line) have to be equitable potential .
Equipments have to be installed in the corresponding zone according to the marking.

Marking according the Directive 94/9/EC Atex

II2GD c IIC T6 T80°C T. amb –25° + 90°C standard model
T. amb –55° + 90°C low temperature

Part list

	Position		
Description	Filter	Regulator	Filter-regulator
Adjusting screw		1	1
Nut		2	2
Bracket nut		3	3
Bracket		4	4
Spring rest		5	5
Regulating spring		6	6
Bonnet		7	7
Spring guide		8	8
Spring seat		9	9
Diaphragm		10	10
Valve seat		11	11
Body		12	12
Valve seat		13	13
Bowl O'ring	14	14	14
Valve stem		15	15
Valve stem O' ring		16	16
Valve body		17	17
Valve O'ring		18	18
Filter element socket	19		19
Valve spring		20	20
SS Filtering element	21		21
Filtering element support	22		22
Filtering element screw	23		23
PP filtering element	24		24
Filtering element washer	25		25
Filtering element screw	26		26
Fixing screws M5x10	27	27	27
Bowl	28		28
Ring	29		29
O ring	30		30
Manual drain	31		31
Regulator bottom		32	
Regulator valve seat		33	
Valeve seat O'ring		34	
Filter top	35		

For technical information refer to the corresponding technical data sheet

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