



**ZAN-TECH®**  
**REVOLUTION**  
**COMPRESSED AIR AND**  
**GAS MICRO FILTERS**



# REVOLUTION

## COMPRESSED AIR AND GAS MICRO FILTERS

### General Introduction

Compressed air is an essential source of energy that is widely used throughout industry. However compressed air will contain water, dirt and wear particles, bacteria and even degraded lubricating oils. Mixed together this forms an unwanted abrasive sludge that damages, blocks and causes excessive wear to pneumatic equipment.

Oil free compressor's may partially solve the problem with the elimination of oil, but all the other harmful substances will still be present.

The REVOLUTION range of micro filters removes all contaminants ensuring clean instrument quality air.

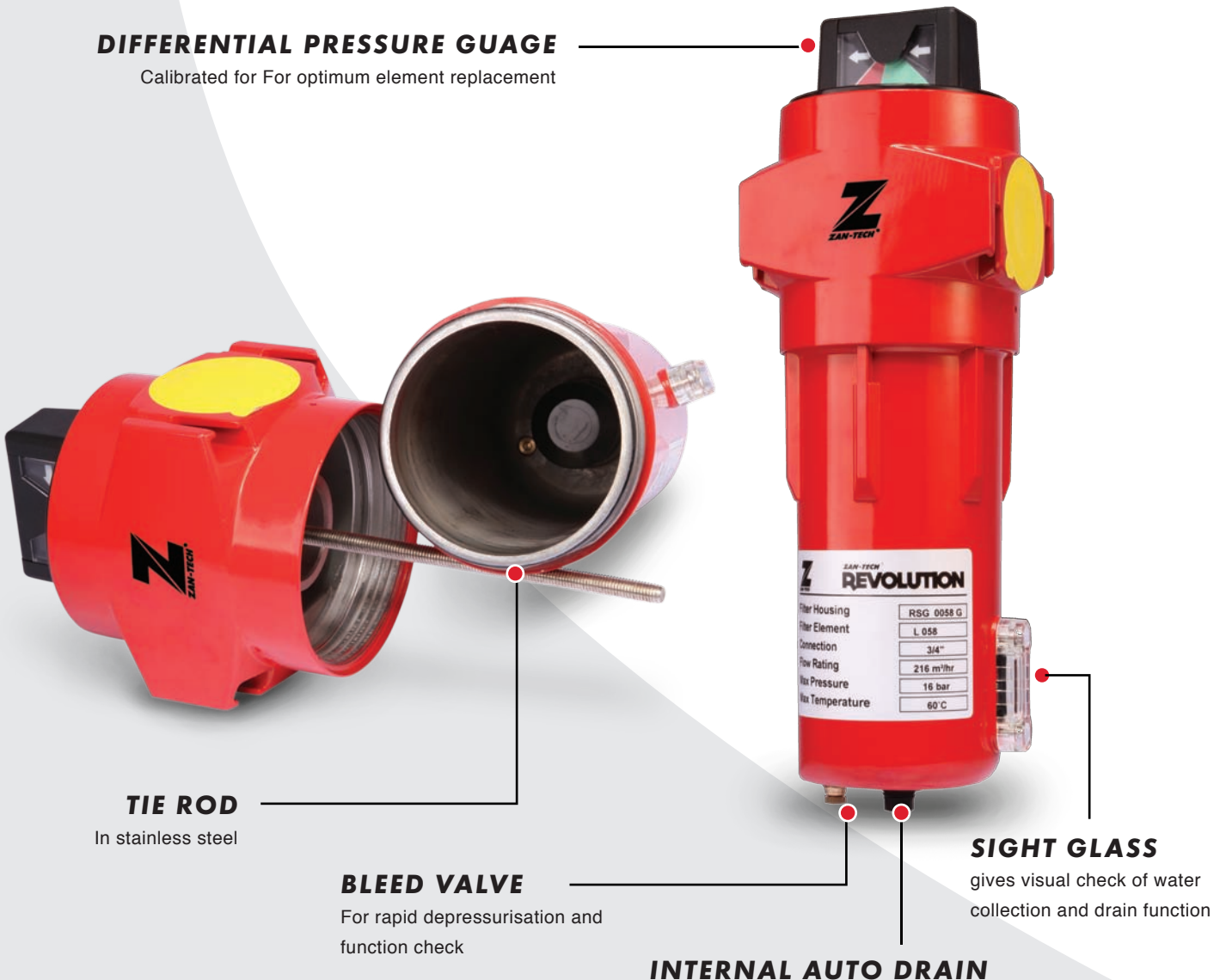
### Quality Standard

The ZAN-TECH REVOLUTION range of compressed air filters, meets and exceeds the ISO 8573.1 international Air Quality Standards.

The REVOLUTION range provides a cost effective solution to all your compressed air filtration needs. The filter design combines ease of installation with high performance and low maintenance.

#### DIFFERENTIAL PRESSURE GAUGE

Calibrated for optimum element replacement



#### TIE ROD

In stainless steel

#### BLEED VALVE

For rapid depressurisation and function check

#### SIGHT GLASS

gives visual check of water collection and drain function

#### INTERNAL AUTO DRAIN



## Filter Element Grades

The REVOLUTION range compressed air filters are divided into five grades:

### GRADE AO

#### High Efficiency filtration.

For the removal of particles down to 1 micron including liquid and oil coalescing applications. Provides a maximum remaining oil aerosol content of 0.1 mg/m<sup>3</sup> @ 21°C.

### GRADE PF

#### Coarse Pre-Filtration for general use.

Particle removal down to 25 microns

### GRADE AA

#### High Efficiency Oil Removal Filtration.

For the removal of particles down to 0.01 micron including water and oil aerosols, providing a maximum remaining oil aerosol content of 0.01 mg/m<sup>3</sup> @ 21°C. (Precede with Grade AO filter)

### GRADE AR

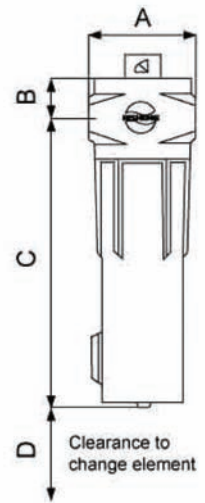
#### General Purpose Dust Filtration.

For the removal of dust particles down to 1 micron.

### GRADE ACS

#### Activated Carbon Filtration.

For the removal of oil vapour and hydrocarbon odours giving a maximum remaining oil content of <0.003 mg/m<sup>3</sup> (<0.003 ppm) @ 21°C. (Precede Grade ACS with Grade AA filter).



0017G-0620G

## Specification Parameters

### DIE-CAST ALUMINIUM FILTER HOUSINGS

Model	Nominal Volume Flow (m <sup>3</sup> /min)	Connection Tube Diameter (mm)	Dimensions in mm				Weight (Kg)	Filter Element
			A	B	C	D		Model
RSG-*0017G	1.0	3/8	89	45	158	95	1.0	L017
RSG-*0030G	1.8	1/2	89	42	194	130	1.1	L030
RSG-*0058G	3.5	3/4	120	58	251	172	2.4	L058
RSG-*0080G	4.8	1	120	58	351	272	2.9	L145
RSG-*0125G	7.5	1 1/4	120	58	351	272	2.9	L145
RSG-*0145G	8.7	1 1/2	120	58	351	272	2.9	L145
RSG-*205G	12.0	1 1/2"	160	66.5	509.6	320	6.6	L220
RSG-*220G	13.0	2"	160	66.5	509.6	320	6.6	L220
RSG-*330G	20.0	2"	160	66.5	816	625	10.8	L330
RSG-*405G	24.0	2 1/2"	202	79	602	400	12.5	L430
RSG-*430G	26.0	3"	202	79	602	400	12.5	L430
RSG-*620G	37.0	3"	202	79	844	625	17.5	L620

## Pressure Conversion Factors

Operating Pressure bar e	1	2	3	4	5	6	7	8	9	10	11	12	13	14
F =	0.25	0.38	0.50	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88

**HOW TO ORDER** When ordering a product, please list PF, AO, AA, ACS or AR in place of \*\*\* ie: RSG-AO 220F