

SS218.AD & SS238.AD

Absorber Housing

Materials 316L Stainless Steel
Pressure 400 Bar
Ports 1/4" or 1/2"

The SS218 and SS238 Adsorber Housings are a simple but high performance solution for the adsorption of various chemical vapours in a gaseous stream. The hollow tube, with integral filter diverts the gas flow to the base of the bowl allowing complete passage of gas through the adsorber granules. Simply remove the filter bowl without disturbing the line connections to replace the used adsorber media. It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Housings are available with 1/4" or 1/2" ports and have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

A range of granular adsorber materials are available and these are listed below. together with the principle uses. We are pleased to advise about any special applications you may have. The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.



Technical Specifications

| Housing Model | SS218.201.AD | SS218.401.AD | SS238.201.AD | SS238.401.AD |
|-----------------------------------|--------------|--------------|--------------|--------------|
| Port Size | 1/4" NPT | 1/2" NPT | 1/4" NPT | 1/2" NPT |
| Drain | None | None | None | None |
| Maximum Pressure, Bar | 400 | 400 | 400 | 400 |
| Maximum Temperature, °C | 50 | 50 | 50 | 50 |
| Materials of Construction | | | | |
| Head, Bowl & Internals | 316L SS | 316L SS | 316L SS | 316L SS |
| Seals | Viton | Viton | Viton | Viton |
| Filter Pads | PE | PE | PE | PE |
| Principal Dimensions in mm | | | | |
| Diameter | 85 | 85 | 85 | 85 |
| Height | 147 | 147 | 264 | 264 |
| Volume, cc | 110 | 110 | 220 | 220 |
| Weight, kg | 2.55 | 2.55 | 5.75 | 5.75 |
| Accessories | | | | |
| Mounting Bracket | MBSS218 | MBSS218 | MBSS218 | MBSS218 |

| Grade | Adsorber | Principle Uses |
|-------|---------------------------|--|
| 01 | Activated Carbon Granules | Removal of hydrocarbons and other organic vapours |
| 02 | Activated Carbon Cloth | Removal of hydrocarbons and other organic vapours |
| 03 | Molecular Sieve 4A | Removal of CO ₂ , NH ₃ , H ₂ S, SO _x |
| 04 | Molecular Sieve 13X | Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines |
| 05 | Silica Gel (Blue) | Removal of water vapour |
| 05a | Silica Gel (Orange) | Removal of water vapour |
| 06 | Mixed Bases (Soda Lime) | Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl |
| 07 | Potassium Permanganate | Removal of SO _x and other acidic gases |
| 08 | Hopcalite | Removal of CO by catalytic conversions to CO ₂ |



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