

HEPA filter air outlet - HT Clean Drall

BSL-3

Laboratory rooms of class BSL-3 could be realized by means of turbulent mixed ventilation. The HEPA filter air outlet for BSL-3 laboratory rooms creates turbulent mixed ventilation by air supply. The exchange of the filter element could be performed directly from the laboratory room. The HT Clean Drall functionality is based on optimal combination of a filter housing,

a HEPA filter element and a swirl diffuser. The flange connection for the ventilation system allows the adaptation of a gas-tight damper to close the containment barrier. The air outlet is fully welded and made of stainless steel, making it resistant to the cleaning agents and disinfectants used.

Special characteristics

| | |
|----------------------------|---|
| Construction and operation | fully welded stainless steel housing air outlet plate with swirl element top or side connection spigot |
| Reliability | high tightness due to fully welded housing tight connection by means of flange connection high operational reliability due to the integration of various test connections |
| Area of application | BSL-3 laboratories |
| Size | various sizes available for an air flow range from 0 m ³ /h up to 1100 m ³ /h |
| Connections | differential pressure HEPA filter HEPA filter tightness test aerosol feeding and particle measurement gas-tight flap tightness test |

Material

| | |
|------------------|---|
| Housing | stainless steel Mat. no. 1.4301 optional: stainless steel Mat. no. 1.4404 |
| Air outlet plate | stainless steel Mat. no. 1.4301 optional: stainless steel Mat. no. 1.4404 |

Technical data

| | Size 1 | Size 2 | Size 3 | Size 4 |
|-----------------------------|---------------------------|-----------------------------|-----------------------------|------------------------------|
| Housing size | 347 x 347 x 380 mm | 499 x 499 x 420 mm | 653 x 653 x 470 mm | 653 x 653 x 530 mm |
| Connection Ø | DN 150 | DN 200 | DN 250 | DN 250 |
| Plate size | 401 x 401 mm | 553 x 553 mm | 706 x 706 mm | 706 x 706 mm |
| Air flow range | 0 - 170 m ³ /h | 170 - 380 m ³ /h | 380 - 660 m ³ /h | 660 - 1100 m ³ /h |
| Filter size | 305 x 305 x 78 mm | 457 x 457 x 78 mm | 610 x 610 x 78 mm | 610 x 610 x 150 mm |
| Filter class | H14 Filter | H14 Filter | H14 Filter | H14 Filter |
| Initial pressure difference | 142 Pa | 158 Pa | 138 Pa | 156 Pa |

