BOA SP10

Annularly corrugated metal hose assembly
DIN-DVGW certified and VdS approved

The annularly corrugated metal hose assembly SP10 has a medium corrugation and a stainless steel braid. One side inert gas welded, malleable cast iron nipple with male thread according to ISO 7-1, the other side inert gas welded three-part, conical sealing malleable cast iron screw connection with female thread according to ISO 7-1, DIN-DVGW-certificate, VdS approved.

Working conditions
Min. admissible temperature: \( \theta_{\text{max, atm.}} = -20^\circ\text{C} \)
Max. admissible temperature: \( \theta_{\text{max, atm.}} = +300^\circ\text{C} \)
Nominal pressure rate general: PN25
- for fluids, gases & steams: \( p_{\text{max, working}} = 25 \text{ bar until } \theta_{\text{working}} \leq 120^\circ\text{C} \)
  \[ p_{\text{max, working}} = 20 \text{ bar at } 120^\circ\text{C} < \theta_{\text{working}} \leq 300^\circ\text{C} \]
- for combustion gases (acc. to DIN 3384): \( p_{\text{max, working}} = \text{PN5 bar at } \theta_{\text{working}} = 20^\circ\text{C} \)

Application fields:
- gas applications
- heating, ventilation, air conditioning
- mechanical engineering
- hydraulic engineering

Materials:
Corrugated hose stainless steel 1.4404
Braid stainless steel 1.4301
Fittings malleable cast iron (weldable)

Useful data for placing an inquiry or order:
- Item description: BOA SP10
- BOA item n° (M- ........)
- DN
- Quantity

Preferred series; usually available at short term

<table>
<thead>
<tr>
<th>DN [mm]</th>
<th>Thread</th>
<th>Nominal pressure PN [bar]</th>
<th>Nominal length NL [mm]</th>
<th>Weight [kg]</th>
<th>BOA item n°</th>
</tr>
</thead>
</table>
| 10      | R \( \frac{3}{8}'' \) A*  
          Rp \( \frac{3}{8}'' \)  | 25                        | 300                    | 0.20        | 6000076423  |
|         |        |                           | 500                    | 0.26        | 6000076424  |
|         |        |                           | 1000                   | 0.41        | 6000076425  |
| 12 (16) | R \( \frac{3}{4}'' \) A  
          Rp \( \frac{3}{4}'' \)  | 25                        | 300                    | 0.25        | 6000076414  |
|         |        |                           | 500                    | 0.31        | 6000076415  |
|         |        |                           | 1000                   | 0.47        | 6000076416  |
| 20      | R \( 1'' \) A  
          Rp \( 1'' \)  | 25                        | 500                    | 0.55        | 6000076426  |
|         |        |                           | 750                    | 0.67        | 6000076427  |
|         |        |                           | 1000                   | 0.79        | 6000076428  |
| 25      | R \( 1\frac{1}{4}'' \) A  
          Rp \( 1\frac{1}{4}'' \)  | 25                        | 500                    | 0.80        | 6000076417  |
|         |        |                           | 750                    | 0.95        | 6000076429  |
|         |        |                           | 1000                   | 1.10        | 6000076418  |
| 32      | R \( 1\frac{1}{2}'' \) A  
          Rp \( 1\frac{1}{2}'' \)  | 25                        | 500                    | 1.30        | 6000076430  |
|         |        |                           | 750                    | 1.52        | 6000076431  |
|         |        |                           | 1000                   | 1.75        | 6000076432  |
| 40      | R \( 1\frac{1}{2}'' \) A  
          Rp \( 1\frac{1}{2}'' \)  | 25                        | 500                    | 1.45        | 6000076419  |
|         |        |                           | 750                    | 1.75        | 6000076433  |
|         |        |                           | 1000                   | 2.03        | 6000076420  |
| 50      | R \( 2'' \) A  
          R \( 2'' \)  | 25                        | 500                    | 2.40        | 6000076421  |
|         |        |                           | 750                    | 2.90        | 6000076434  |
|         |        |                           | 1000                   | 3.35        | 6000076422  |

The three leaflets for metal hoses and metal hose assemblies “Technical Information”, “Installation Instructions” and “Guarantee/ Delivery terms/ Conditions” are integrating part of the present product data sheet.

Specifications subject to change without notice.

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