



## 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:  $\vartheta_{\text{max, adm.}} = -20^{\circ}\text{C}$   
 Max. admissible temperature:  $\vartheta_{\text{max, adm.}} = +300^{\circ}\text{C}$   
 Nominal pressure rate general: PN25

- for fluids, gases & steams:  $p_{\text{max, working}} = 25 \text{ bar until } \vartheta_{\text{working}} \leq 120^{\circ}\text{C}$   
 $p_{\text{max, working}} = 20 \text{ bar at } 120^{\circ}\text{C} < \vartheta_{\text{working}} \leq 300^{\circ}\text{C}$
- for combustion gases (acc. to DIN 3384):  $p_{\text{max, working}} = \text{PN5 bar at } \vartheta_{\text{working}} = 20^{\circ}\text{C}$

### 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)

DN [mm]	Thread [ " ]	Nominal pressure PN [bar]	Nominal length NL [mm]	Weight [kg]	BOA item n° [ - ]
10	R 3/8" A Rp 3/8"	25	300	0.20	M-0020354
			500	0.26	M-0020355
			1000	0.41	M-0020356
12 (16)	R 1/2" A Rp 1/2"	25	300	0.25	M-0020357
			500	0.31	M-0020358
			1000	0.47	M-0020359
20	R 3/4" A Rp 3/4"	25	500	0.55	M-0020360
			750	0.67	M-0020361
			1000	0.79	M-0020362
25	R 1" A Rp 1"	25	500	0.80	M-0020363
			750	0.95	M-0020364
			1000	1.10	M-0020365
32	R 1 1/4" A Rp 1 1/4"	25	500	1.30	M-0020366
			750	1.52	M-0020367
			1000	1.75	M-0020368
40	R 1 1/2" A Rp 1 1/2"	25	500	1.45	M-0020369
			750	1.75	M-0020370
			1000	2.03	M-0020371
50	R 2" A R 2"	25	500	2.40	M-0020372
			750	2.90	M-0020373
			1000	3.35	M-0020374

Preferred series; usually available at short term

### Useful data for placing an inquiry or order:

- Item description: BOA SP10
- BOA item n° (M- .....
- DN
- Quantity

Specifications subject to change without notice.

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.