



# Hose Systems for Explosive Atmospheres

VACUFLEX GmbH  
Quality - Made in Germany



# True Conductors



# Conductive Connections

Fine dusts and dry air tend to rapidly form explosive atmospheres. With the conductive connection elements made of plastic, we ensure relief in critical areas. The numerous threaded standard elements are suitable for flexible use in combination with all common hose systems. No matter if EVA, PVC or PU hoses are used, the connection elements made by us prevent the formation of static charges. One of the company's special strengths is the development and manufacture of individual solutions! Our development and design department with the pertaining tool shop implements customer requests in a fast and competent way. Try us – you have a great spectrum of options and ideas:

- **comprehensive standard portfolio**

Coupling elements, reductions, sleeves with grip to ensure a firm threaded connection or sleeves with lugs and clips as well as boiler connections, Y- and T-fittings in many dimensions cover numerous applications.

- **suitable for every hose type**

All dimensions and designs of our connection elements listed in the table are adjusted to the common EVA, PVC and PU hose systems.

- **inexpensive production in any lot size**

We develop, manufacture and deliver our products in almost any lot size.

- **in every dimension**

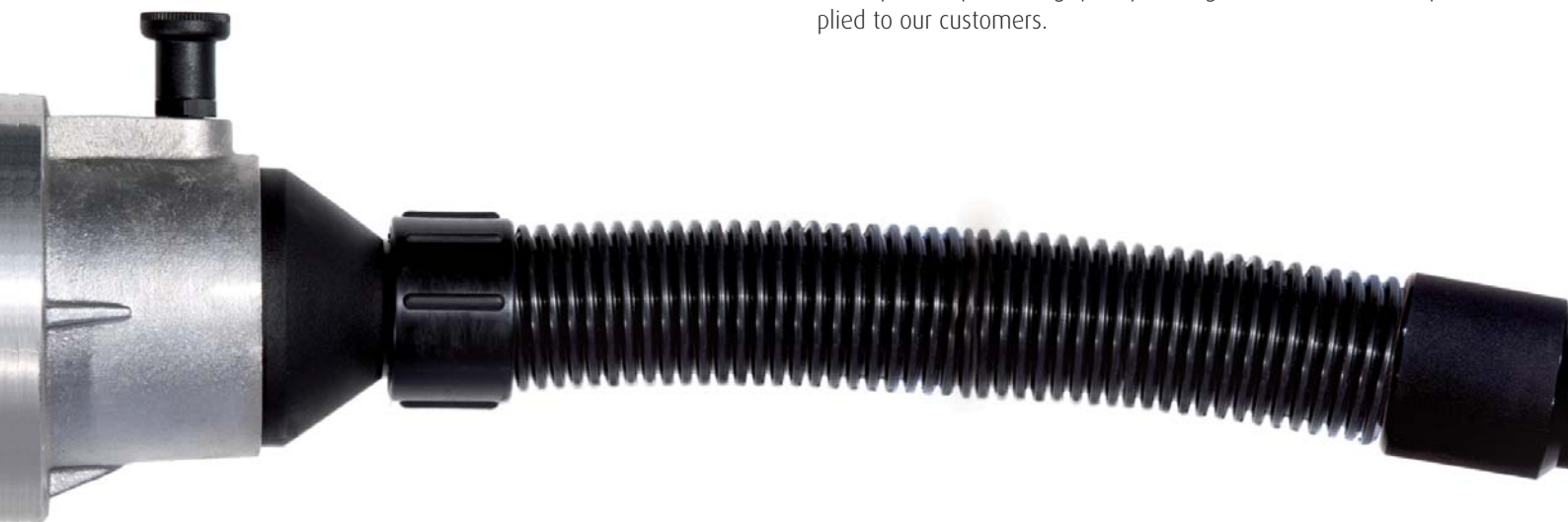
We offer a broad range of inside diameters from 10 to 100 millimeters for all common connection formats.

- **individual processing and assembly stages**

Even the most comprehensive standard program has its limits. For this reason, we develop and assemble its products as required: sleeves of special dimensions or shapes partly assembled as hose-sleeve system or complete modules of a complex geometry ready for integration. You state your requirements – we will find the best way to implement them.

- **highest quality**

We exclusively use branded material from renowned manufacturers. All our materials correspond to the latest quality standards and regulations such as REACH, RoHS, etc. We do not accept any compromises in view of quality! Every product is tested by us for processing quality and tight seat before it is supplied to our customers.



**Product****Inside Diameter [mm]**

Standard sleeve (screw fix)	25, 32, 35, 38, 40, 50, 60, 63, 70, 76, 80, 90, 100
Standard sleeve with reduction/extension (screw fix)	38/35, 50/35, 38/50
Coupling (screw fix)	20, 25, 32, 38, 40, 50, 60, 63
Coupling with reduction (screw fix)	25/32, 25/38, 25/50, 32/38, 32/50, 38/50
Grip sleeve (screw fix)	25, 32, 36, 38, 40, 45, 50, 60, 63, 70, 75, 80
Sleeve with lug & clip (screw fix)	25, 32, 36, 38, 40, 45, 50
Y- and T-fittings (screw fix)	25, 32, 38, 50
Boiler connection (with outside or inside thread)	58/38, 58/50, 60/50, 70/38, 70/50, 80/38, 80/50, 88/38, 88/50
Boiler plug	58, 60, 70, 80, 88
Suction nozzle (flat/round)	32, 38, 50
Conical sleeve for suction nozzle	32, 38, 50

more diameters on demand

## Exciting Innovations

In order to meet individual requirements, good ideas and flexible production facilities to implement them are needed. The latest development for conductive applications does not only demonstrate these two strengths. It likewise testifies to our competence in handling different materials and complex shapes.

- Suction is accomplished by a complete, flexible clip-on system, suitable for many common metal flanges consisting of a boiler connection with retainer ring, conical sleeve – available in two standard sizes 38 and 50 mm – as well as a suction nozzle. The solution is rounded off by a clip.



Boiler plug



Conical sleeve



Suction nozzle





Standard sleeve



Standard sleeve with reduction



Coupling



Grip sleeve



Boiler connection with inside thread



Boiler connection outside thread



Sleeve with lug & clip



T-fitting



Y-fitting



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