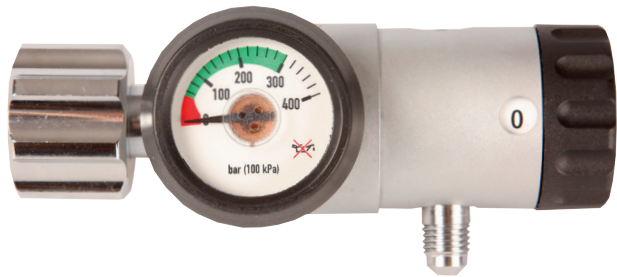


PRESSURE REDUCER FALKE

for forming with N₂ & N₂H₂



This may be harmless outdoors however, on the inside of pipes it represents an undesirable reaction which is very difficult to remove from the pipe system. The contamination jeopardizes the function of fittings, measuring and control units.

...OUR PROTECTIVE SHIELD AGAINST TINDER!

When brazing copper pipes in areas such as refrigeration and air conditioningair conditioning technology or medical gas supply, undesirable scale formation. The problem can be solved with the **GREGGERSEN FALKE** compact pressure reducer for nitrogen and for nitrogen-hydrogen mixtures!

The Challenge:

Even slight heat effects in combination with oxygen can lead to the formation of oxide skin, which can be recognized by a dark brown discoloration.

The Solution:

THE GREGGERSEN FALKE for nitrogen offers the solution to stop scale formation!

During the soldering process, nitrogen (**N₂**) or a nitrogen-hydrogen mixture (**N₂H₂**) is introduced into the piping system. The supply of nitrogen removes the oxygen from the ambient air in the pipe displaced, which means that the formation of scale in the pipe is no longer possible.

without forming gas



with forming gas



Application:

The **FALKE** is connected to an N₂(H₂) cylinder and to the pipe via a filling hose. The bottle valve is opened and the hand wheel of the **FALKE** is used to set the flush volume in l/min. The gas fed into the pipe system fills the pipeline under slight overpressure. A slight gas flow should be felt at the outlet valve. The slight overpressure removes the ambient oxygen from the pipe system and is replaced by nitrogen as an inert gas. Now the soldering process can begin.

Forming with our FALKE



BENEFITS:

- ✓ Compact
- ✓ High quality & robust
- ✓ Low maintenance
- ✓ Quick & easy to adjust

FALKE N ₂	500.447
FALKE N ₂ H ₂	500.472

latching step:	1	2	3	4	5	6	7	8	9	10
Standard*:	0,5	1	1,5	2	3	4	6	8	12	15

*Other flow rates are available on request!

The volume setting means that only as much inert gas is only fed in as much as is actually required. For different pipe dimensions, different volumes can be set for different pipe dimensions.

With manual connection, i.e. you can simply connect the pressure reducer to the cylinder without tools.

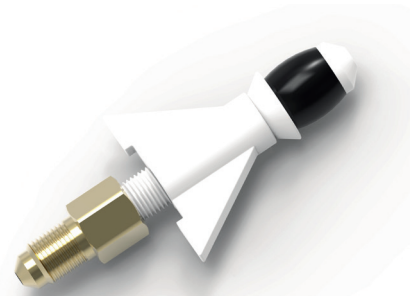
With 1/4" SAE outlet fitting for easy connection of the test connection of the test hose.



BORN TO BURN

HANDCRAFTED
IN HAMBURG
SINCE 1924

Accessories



BENEFITS:

- ✓ Easy to stow away
- ✓ Available for all standard pipe diameters
- ✓ Everything you need from a single source
- ✓ Quick & easy to assemble

Pipe plug 1/2" for Ø12-18 mm - 1/4" SAE	701.660
Pipe plug 3/4" for Ø19-26 mm - 1/4" SAE	701.661
Pipe plug 1" for Ø26-36 mm - 1/4" SAE	701.662
Pipe plug 1 1/4" for Ø38-45 mm - 1/4" SAE	701.663
Pipe plug 1 1/2" for Ø43-53 mm - 1/4" SAE	701.664

The pipe plugs from **GREGGERSEN** are a simple and and effective accessory for soldering applications with forming gas. They are attached to the pipe by adjusting the wing nut, with a rubber seal is squeezed between two plastic washers. The 1/4" SAE brass connection can be used to connect to the forming gas source via a hose line.