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## TECHNICAL INFORMATION

Welcome to the 9000-series made by EV Metal A/S.

Since 1932 EV Metal has been an accredited company in the field of manufacturing and supplying premium fittings and valves for various and well-known companies all over the world.

Specifically developed for oil, gas and hydrogen applications this Medium Pressure line of fittings and valves is made to assure safe and easy plumbing up to 21.000psi (1500bar) – some parts even more. In respect of the challenges and highest requirements that the handling of the above mentioned medias are known for, this product line guarantees reliable performance and repeatable top quality .

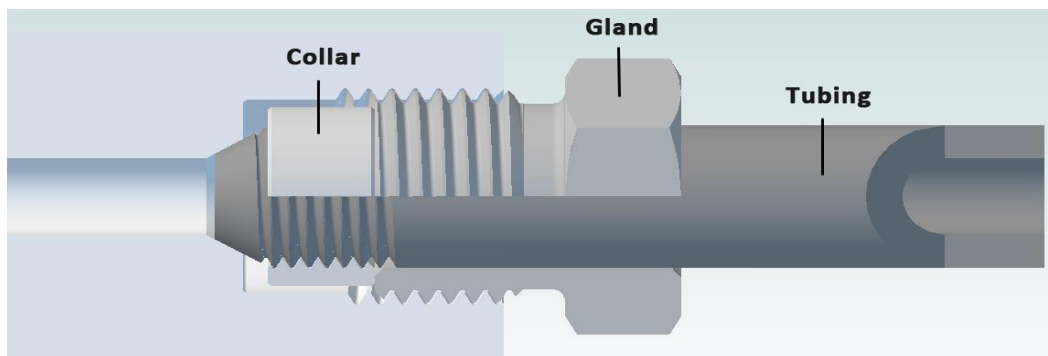
### Connection

Designed for 21.000 psi (1500 bar) this line of fittings and valves inherits the benefits of a compact **cone-and-threaded** connection.

Our program of Medium Pressure has metal-to metal sealing. A complete connection consists of these four parts:

- Medium Pressure tube
- Collar
- Gland
- Female part (adapter or valve)

This type of connection has a very high level of safety and reliability, which makes it perfect in oil, gas and hydrogen applications, where acid-proof stainless steel is required and where 100% documentation and traceability is a demand.



### Sizes

| O.D. Size inch (mm) | Orifice Size inch. (mm) | Pressure psi (bar) |
|---------------------|-------------------------|--------------------|
| 1/4" (6,35)         | 0,125 (3,2)             | 65.000 (4500)      |
| 3/8" (9,53)         | 0,219 (5,6)             | 21.000 (1500)      |
| 9/16" (14,29)       | 0,312 (7,9)             | 21.000 (1500)      |
| 3/4" (19,05)        | 0,438 (11,1)            | 21.000 (1500)      |

## **Material**

All fittings, adapters and valve bodies are made of cold worked stainless steel, type DIN 1.4404 (AISI316L). Seals in our bulkhead couplings are made of FPM Viton® and in our needle valves seals are PTFE and Peak.

## **Certificate**

All fittings, adapters and valves are laser marked with:

1. EV Metal logo
2. Item number and size
3. Material specification
4. Pressure rating
5. Production number
6. Material batch number (refers to DIN 3.1 B material certificate).

All our Medium Pressure fittings, adapters, valves and tubing can be supplied with a 3.1 certificate for traceability if required.

## **Large range of fittings and adapters**

EV Metal offers a large range of fittings and adapters for Medium Pressure applications, specially designed to match the performance of our valves and tubing. We can design and supply fittings and adapters for almost every configuration of systems designed for oil, gas or hydrogen.

We keep a wide range of standard fittings, adapters and needle valves in stock. If you need other sizes or different design, do not hesitate to contact us.

## **Warranty**

EV Metal grant for this 9000-serie fittings and valves warranty of 12 months on material quality and workmanship, commencing with the fitting shipment date. Any deficiencies that are due to improper handling, use of inadmissible media or exceeding of maximum operation pressures are not subject to our warranty obligation.