













30SERIES

INTERCHANGE > ISO 14541



TECHNICAL FEATURES AND OPTIONS

 Interchange ISO 14541	 Sealing description FKM (VITON®) Backup in PTFE	 Connection system Screw
 Available sizes from 1/4" to 1-1/4"	 Material Stainless steel (AISI 316L)	 Available threads BSP - NPT
 Operating pressure Up to 450 bar	 Locking mechanism Screw to connect	 Flow rate Up to 189 L/Min
 Temperature (°C) -15° / +180°	 Valving style Poppet	 Connection under pressure Connection: allowed* Disconnection: allowed*

BENEFITS

- *Connection is allowed with residual pressure in one side of the coupling (max 100 bar in one side)
- The poppet valve with elastomer seal provides maximum sealing of the couplings when disconnected.
- Shape of internal parts is designed to reduce turbulence and pressure drop.
- The modular design allows for broad range of port configurations.
- External o-ring indicates if the product is fully connected, prevent accidental disconnection and protect coupling against dirt.
- Male body sealing surface protected by the threaded sleeve.
- High resistance to pressure impulses.
- Compact design.
- Simple to use.

HOW TO USE

- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in the circuit.
- To connect insert the male coupling in the female coupling, screw the sleeve till its positive stop, do not push together the couplings, screw only.
- The use of tools for the second part of the connection can be necessary if there is high residual pressure in the circuit.
- Check that the external O-ring is fully covered.
- To disconnect unscrew totally the sleeve from the female coupling.



MAIN APPLICATIONS



PERFORMANCES

Size		Series/Size	Max. operating pressure Coupled	Burst pressure Coupled	Rated flow	ΔP at Rated Flow
Inch	mm (ISO)		bar	bar	bar	bar
1/4	6,3	3006	450	1125	12	0,22
3/8	10,0	3009	400	1125	23	0,34
1/2	12,5	3013	400	1000	45	0,60
3/4	20,0	3019	250	750	74	0,98
1		3025	250	750	100	1,30
1-1/4		3030	200	500	189	4,20

Standard connections are female threads BSPP, NPT.

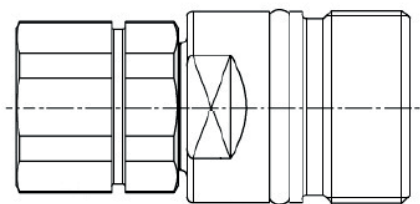
Thread options include:

- Male threads
- Bulkhead
- Ermeto (compression fitting - metric L or S -24° cone).

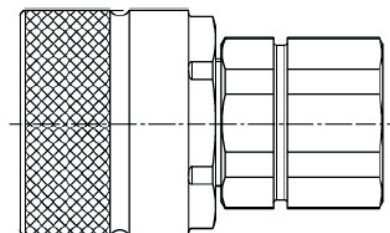
Temperature range:

Standard seals in Viton from -15°C to +180°C (from 5°F to 356°F).

FEMALE



MALE



WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects.

Never connect or disconnect with dynamic pressure (e.g. pump on).

Do not couple-uncouple with flow in the circuit.

Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).

Do not use the coupling disconnected with high impulse pressure.

Connect under pressure products are suitable to be connected under residual (static) pressure.

Connection with residual pressure (pressure trapped in the circuit) allowed with other side coupling to drain.

Check the maximum allowable working pressure of the port in use.

Make sure that the medium used is compatible with seal and material as indicated for each series.

In case of doubt please contact Stucchi Technical Support.

The interchangeability is mentioned under the assumption that the manufacturer of the considered products has not changed any dimension.

It is mandatory to carefully read and closely follow the instructions before selecting or using any Stucchi products.

Always refer to the version uploaded in the Instructions and warning section of stucchigroup.com website for the latest release.

For specific, product-related, instructions, please contact Stucchi technical service.