

# 20SERIES













INTERCHANGE > ISO 7241-1 "A"



Stucchi®



## TECHNICAL FEATURES AND OPTIONS

 <b>Interchange</b> ISO 7241-1 "A"	 <b>Sealing description</b> FKM (VITON®) EPDM & Kafilon	 <b>Connection system</b> Single acting sleeve
 <b>Available sizes</b> From 1/4" to 2"	 <b>Material</b> Stainless steel (AISI 316L)	 <b>Available threads</b> BSPP - NPT
 <b>Operating pressure</b> Up to 350 bar	 <b>Locking mechanism</b> Locking ball system	 <b>Flow rate</b> Up to 389 L/Min
 <b>Temperature (°C)</b> -15° / +180°	 <b>Valving style</b> Poppet	 <b>Connection under pressure</b> Connection: not allowed Disconnection: not allowed

## BENEFITS

- The poppet valve with elastomer seal provides maximum sealing of the couplings once disconnected.
- Shape of internal parts is designed to reduce turbulence and pressure drop.
- 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 pull back the sleeve of the female coupling, align the female with the male coupling and push one into the other until both halves are fully connected and release the sleeve.
- To disconnect push back the sleeve of the female coupling, pull out the mating half.



## MAIN APPLICATIONS



Agriculture



Oil & Gas



Industry



High Pressure



Cooling



Refrigeration



Earth Moving



Vehicles



Hydraulic Equipment



Chemical & Food Industry

## PERFORMANCES

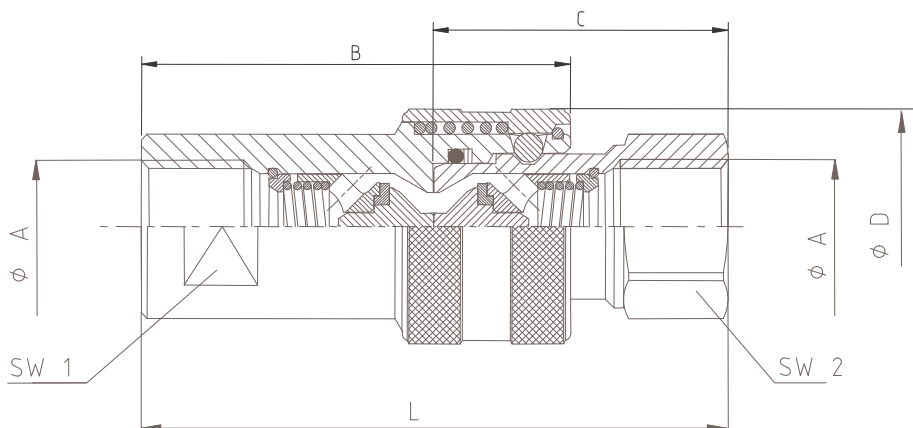
Size		Series/Size	Rated flow	ΔP at Rated Flow	Spillage*
Inch	mm (ISO)		l/min	bar	ml
1/4	6,3	2006	12	5,50	0,70
3/8	10,0	2009	23	1,20	1,20
1/2	12,5	2013	45	1,00	2,10
3/4	20,0	2019	74	0,90	5,20
1	25,0	2025	100	0,75	9,00
1-1/4	30,0	2030	189	0,65	27,00
1-1/2	40,0	2040	288	0,70	49,00
2	50,0	2050	389	0,50	75,00

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
Inch		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
1/4	2006	35	5075	35	5075	35	5075	126	18270	126	18270	126	18270
3/8	2009	35	5075	35	5075	35	5075	126	18270	126	18270	126	18270
1/2	2013	30	4350	30	4350	30	4350	100	14500	100	14500	100	14500
3/4	2019	25	3625	25	3625	25	3625	80	11600	80	11600	80	11600
1	2025	17	2465	17	2465	17	2465	60	8700	60	8700	80	8700
1-1/4	2030	14	2030	14	2030	14	2030	50	7250	50	7250	50	7250
1-1/2	2040	14	2030	14	2030	14	2030	50	7250	50	7250	50	7250
2	2050	10	1450	10	1450	10	1450	40	5800	40	5800	40	5800

\*Spillage is an indicative value of the fluid loss during disconnection (according to ISO 7241-2 test method)

### Temperature range:

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



ØA-xx inch	B mm.	C mm.	D mm.	L mm.	SW 1 mm.	SW 2 mm.	S mm <sup>2</sup>	P Bar	M Kg.
1/4"-06	50	34	26	70	19	19	18	350	0.16
3/8"-09	57	40	30	80	22	22	40	350	0.22
1/2"-13	70	46	38	95	27	27	79	300	0.38
3/4"-19	81	53.5	48	108	34	32	138	250	0.67
1"- 25	96	63	54	126	38	41	224	170	0.92
1 1/4 -30	115	69	70	143	50	50	286	140	1.95
1 1/2 -40	123	72.5	81	145	60	60	480	140	2,85
2" - 50	150	90	106	182	70	70	1730	100	3.85

Thread	Descriptive Code	Stock Code	Descriptive Code	Stock Code
316L with Viton Seals BSPP threads				
1/4" BSPP	2006-F/BSP	I	2006-M/BSP	I
3/8" BSPP	2009-F/BSP	S	2009-M/BSP	S
1/2" BSPP	2013-F/BSP	S	2013-M/BSP	S
3/4" BSPP	2019-F/BSP	S	2019-M/BSP	S
1" BSPP	2025-F/BSP	S	2025-M/BSP	S
1-1/4" BSPP	2030-F/BSP	I	2030-M/BSP	I
1-1/2" BSPP	2040-F/BSP	I	2040-M/BSP	I
2" BSPP	2050-F/BSP	I	2050-M/BSP	I



## 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](http://stucchigroup.com) website for the latest release.**

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