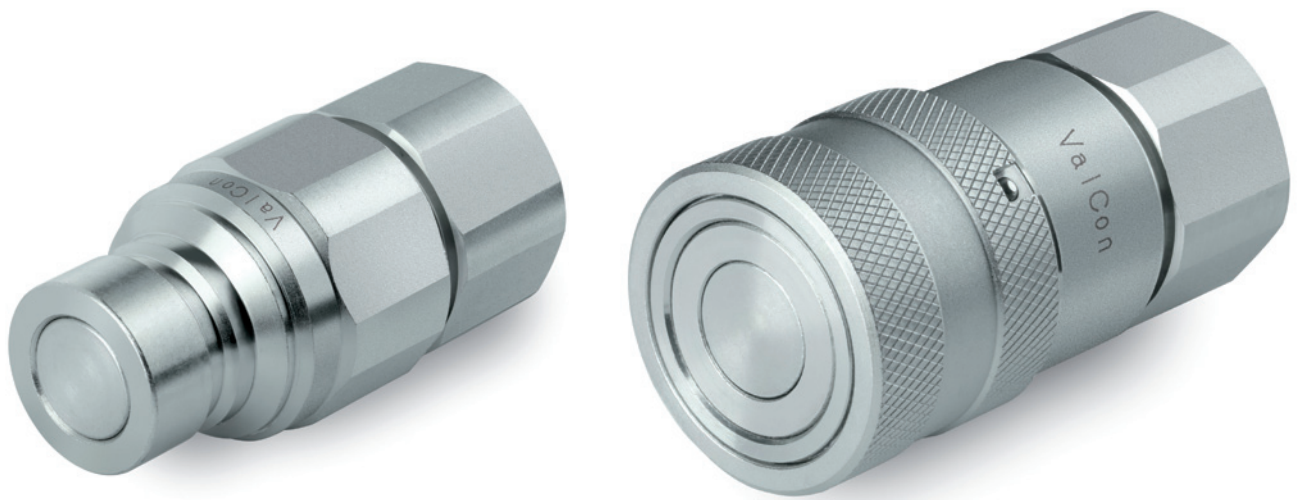


QUICK-RELEASE COUPLING

Flat-Face coupling

ISO 16028

VC-FF



powerful · precise · guaranteed


ValCon[®]
QUALITY HYDRAULICS

QUICK-RELEASE COUPLING

FlatFace coupling

ISO 16028

VC-FF



Male

Female



Advantages

- Prevention of hose torsion due to movement possibility in coupled position.
- Protection against unintentional disconnecting due to integrated safety interlock.
- Contribution to the environmental protection and reduction of media loss within the system by means of a leakage-free coupling procedure.
- Prevention of air within the system by means of a coupling procedure without air lock.
- User-friendly operation due to one-hand operation.
- High energy efficiency due to positive flow characteristics.
- Minimised entry of dirt into the system due to easy cleaning possibilities by means of wiping the coupling surfaces.
- Durability and reduction of wear and tear to the male coupling by means of an increased number of locking balls.

Main fields of application



Tip! Particularly suitable for all applications in dusty and dirty environments as well as for operations where it is absolutely necessary to avoid leakage of the medium.

Interchangeability

- Parker / FEM
- Voswinkel / FH
- DNP / PLT1 und PLT4
- Thread protection
- Faster / FFH
- Stucchi / FIRG und A

Scope of delivery

Coupling mechanism:

Connecting without movement of the sleeve (one-hand operation possible), disconnecting by pulling back the sleeve.

*Subject to technical modifications

Technical data

Material:

Housing: High grade steel

Seal: NBR

Backup ring: PTFE

Surface:

Material: Chrome 3 Plus, zinc coated

White rust

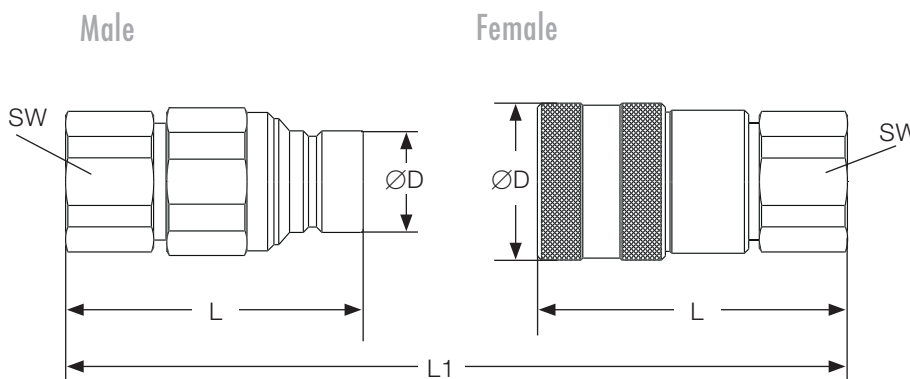
resistance: 200 h

Red rust

resistance: 400 h

Temperature range:

-20 °C to +100 °C



Type	Size		Connection		Dimension				
	Inch	DN	Form of thread	Thread	Length L (mm)	Length coupled L ₁ (mm)	Diameter ØD (mm)	Hexagon SW (mm)	Article Number
Female	1/4"	06	female	1/4" BSP	58,2	96,3	28	20	VC-FF-IG1/4-06M
	3/8"	10	female	3/8" BSP	68,2	108,4	32	24	VC-FF-IG3/8-10M
	3/8"	10	female	1/2" BSP	72,5	116,2	32	27	VC-FF-IG1/2-10M
	1/2"	12	female	1/2" BSP	75,0	129,3	38	32	VC-FF-IG1/2-12M
	1/2"	12	female	3/4" BSP	79,0	137,3	38	36	VC-FF-IG3/4-12M
	3/4"	16	female	3/4" BSP	75,5	138,0	27	37	VC-FF-IG3/4-16M
	1"	20	female	1" BSP	93,8	172,1	30	41	VC-FF-IG1-20M

Male	1/4"	06	female	1/4" BSP	49,2	96,3	16,2	20	VC-FF-IG1/4-06S
	3/8"	10	female	3/8" BSP	55,8	108,4	19,8	24	VC-FF-IG3/8-10S
	3/8"	10	female	1/2" BSP	59,8	116,2	19,8	27	VC-FF-IG1/2-10S
	1/2"	12	female	1/2" BSP	72,0	129,3	24,6	32	VC-FF-IG1/2-12S
	1/2"	12	female	3/4" BSP	76,0	137,3	24,6	36	VC-FF-IG3/4-12S
	3/4"	16	female	3/4" BSP	75,5	138,0	27,0	37	VC-FF-IG3/4-16S
	1"	20	female	1" BSP	93,8	172,1	30,0	41	VC-FF-IG1-20S

Performance data

Size	Working pressure	Flow rate at a pressure drop of 2 bar	Burst pressure		
			Male	Female	Coupled
Inch	(bar)	(l/min)	(bar)	(bar)	(bar)
1/4"	350	10	1.400	1.400	1.400
3/8"	300	30	1.200	1.200	1.200
1/2"	300	60	1.200	1.200	1.200
3/4"	250	120	1.000	1.000	1.000
1"	250	200	1.000	1.000	1.000

Accessories



	DN	Size	Inch	Article Number
Dust protection for male couplings (plastic, red)	6	4	1/4"	VC-FF-DP14-S
	10	6	3/8"	VC-FF-DP38-S
	12	8	1/2"	VC-FF-DP12-S
	20	12	3/4"	VC-FF-DP34-S
	25	16	1"	VC-FF-DP1-S
Dust protection for female couplings (plastic, red)	6	4	1/4"	VC-FF-DP14-M
	10	6	3/8"	VC-FF-DP38-M
	12	8	1/2"	VC-FF-DP12-M
	20	12	3/4"	VC-FF-DP34-M
	25	16	1"	VC-FF-DP1-M

Tip! ValCon® screw couplings always ensure a **security factor** (ratio of burst pressure to working pressure) of at least **3-fold safety!**



VALCON QUALITY HYDRAULICS

ValCon® stands for high-quality hydraulic products in original equipment quality for a worldwide use. Precision, reliability and high-quality processing are special trademarks of ValCon®.

ValCon® products are developed and tested in collaboration with customers from the original equipment sector and international trade.

The result: An outstanding orientation on praxis.

A comprehensive quality assurance guarantees maximum reliability for ValCon® products.

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Management System
ISO 9001:2008

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