

# QUICK-RELEASE COUPLING

NV coupling

1/2" model ISO 7241-1A

**VC-NV**



powerful · precise · guaranteed

  
**ValCon**<sup>®</sup>  
QUALITY HYDRAULICS

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Male



Female



## Advantages

- High energy efficiency with low pressure drop and high flow rate due to flow-optimised construction.
- An additional backup ring protects the seal from being washed out.
- High corrosion resistance due to high-quality galvanised surface (chrome 6 free).
- Durability due to use of high-quality materials and components as well as hardening of highly stressed areas.
- Prevention of hose torsion due to movement possibility in coupled position.
- Versatile application due to guaranteed compatibility with the models of all renowned manufacturers.
- Reliable functionality due to precisely adjusted valve spring forces - also in combination with products of other manufacturers.

## Main fields of application



**Tip!** In order to identify the ValCon® quick-release coupling series, it is recommended to use the male coupling diameter.

## Interchangeability

- Parker / 4000
- Stucchi / IR-V
- Faster / NV
- DNP / PDV1, PDS

## Scope of delivery

- Thread protection

**Coupling mechanism:**  
Connecting and disconnecting by pulling back the sleeve.

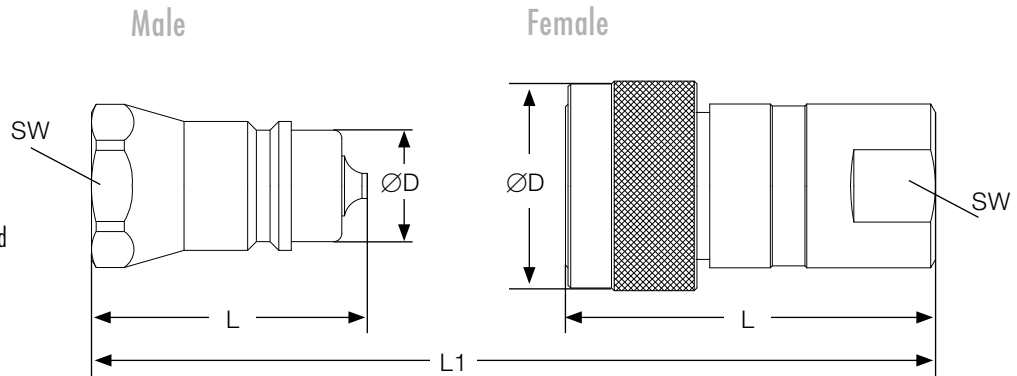
\*Subject to technical modifications

## 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 <sub>1</sub> (mm)	Diameter ØD (mm)	Hexagon SW (mm)	Article Number
Female	1/4"	6	female	1/4" BSP	55,5	74,2	27,6	22	VC-NV-IG1/4-06M
	3/8"	10	female	3/8" BSP	60,5	80,2	34,0	24	VC-NV-IG3/8-10M
	1/2"	12	female	1/2" BSP	68,0	92,3	38,5	27	VC-NV-IG1/2-12M
	3/4"	20	female	3/4" BSP	82,5	107,8	48,5	36	VC-NV-IG3/4-20M
	1"	25	female	1" BSP	97,5	128,8	56,2	41	VC-NV-IG1-25M
Male	1/4"	6	female	1/4" BSP	36,0	74,2	14,3	19	VC-NV-IG1/4-06S
	3/8"	10	female	3/8" BSP	40,0	80,2	19,0	24	VC-NV-IG3/8-10S
	1/2"	12	female	1/2" BSP	50,7	92,3	20,6	27	VC-NV-IG1/2-12S
	3/4"	20	female	3/4" BSP	61,3	107,8	28,0	34	VC-NV-IG3/4-20S
	1"	25	female	1" BSP	64,0	128,8	31,3	41	VC-NV-IG1-25S

## 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	8	1.400	1.400	1.400
3/8"	300	28	1.200	1.200	1.200
1/2"	300	50	1.200	1.200	1.200
3/4"	300	100	1.200	1.200	1.200
1"	250	180	1.000	1.000	1.000

## Accessories



	Article Number
Dust protection for male coupling (plastic) for 1/2" (DN12) according to ISO 7241-1A	VC-PP-DP-RO-S
Dust protection for female coupling (plastic) for 1/2" (DN12) according to ISO 7241-1A	VC-PP-DP-RO-M
Socket for 1/2" (DN12) male coupling according to ISO 7241-1A	VC-PP-DS

### Tip!

- 1/2" male coupling is compatible with the VC-PP und VC-ISO-A series.
- ValCon® quick-release couplings always ensure a **security factor** (ratio of burst pressure to working pressure) of at least **4-fold safety!**

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The result: An outstanding orientation on praxis.

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

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