

HYDRAULIC HOSES

ValCon® V8

VC-HOSES



powerful · precise · guaranteed


ValCon®
QUALITY HYDRAULICS

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Advantages

- High reliability and durability by the use of high-quality materials.
- Low abrasion due to high-quality rubber cover.
- Safety guaranteed up to fourfold safety factor, excluding V8-1HWS, V8-2HWS (ratio of burst pressure to working pressure).
- Very high flexibility due to compact design.
- Low coefficient of linear expansion thanks to the neutral angle of the reinforcement.
- Very good kink resistance due to the use of high-tensile steel wires.

Main fields of application



Tip! When installing the hose line, pay attention to the required minimum bending radii. A shortfall can lead to significantly shortened operating life time of the hose line.



Avoidance of defects through reproducible crimping results
Final inspection with straight test gauges

Quality components
ValCon® hose + ValCon® fittings

Optimal preparation for crimping by precise cutting
Z4® circular knife

Safe crimping
E.g. by quality machines and harmonised die-set geometry

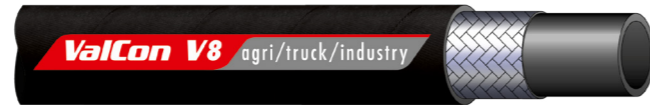
Safety for hydraulic systems
Inner hose cleaning

Reliable Quality!

Braided hose V8-1SN

Application:
Medium-pressure applications

Specifications:
Number of layers: 1
Cover: Black, synthetic rubber, wear resistant
Reinforcement: High-tensile steel wire braid
Inner tube: Black, synthetic rubber
Media: Hydraulic oil based on mineral oil, water emulsions and aqueous glycol solutions
Norm/Standards: EN 853-1SN
Temperature range: -40 °C to +100 °C, water and water-based media up to max. +70 °C

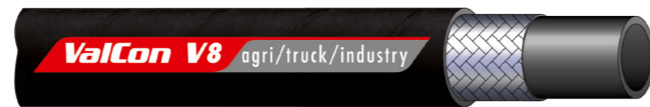


DN	Size	Inch	Outer-Ø (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	max. 14,1	100	225	900	V8-1SN06	VC2-04
8	5	5/16	max. 15,7	115	215	860	V8-1SN08	VC2-05
10	6	3/8	max. 18,1	130	180	720	V8-1SN10	VC2-06
12	8	1/2	max. 21,4	180	160	640	V8-1SN12	VC2-08
16	10	5/8	max. 24,5	200	130	520	V8-1SN16	VC2-10
19	12	3/4	max. 28,5	240	105	420	V8-1SN20	VC2-12
25	16	1	max. 36,6	300	88	352	V8-1SN25	VC2-16

Braided hose V8-1SC

Application:
Medium-pressure applications

Specifications:
Number of layers: 1
Cover: Black, synthetic rubber, wear resistant
Reinforcement: High-tensile steel wire braid
Inner tube: Black, synthetic rubber
Media: Hydraulic oil based on mineral oil, water emulsions and aqueous
Norm/Standards: EN 857-1SC
Temperature range: -40 °C to +100 °C, water and water-based media up to max. +70 °C



DN	Size	Inch	Outer-Ø (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	max. 13,5	75	225	900	V8-1SC06	VC2-04
8	5	5/16	max. 14,5	85	215	860	V8-1SC08	VC2-05
10	6	3/8	max. 16,9	90	180	720	V8-1SC10	VC2-06
12	8	1/2	max. 20,4	130	160	640	V8-1SC12	VC2-08
16	10	5/8	max. 23,0	150	130	520	V8-1SC16	VC2-10
19	12	3/4	max. 26,7	180	105	420	V8-1SC20	VC2-12
25	16	1	max. 34,9	230	88	352	V8-1SC25	VC2-16

Accessories
VC-PowerTex
Protective hose made of nylon, MSHA-certified

PU (m)	Inner-Ø (round) (mm)	Outer-Ø (flat) (mm)	Article number
50	17	30	VC-POWERTEX-17
50	20	34	VC-POWERTEX-20
50	23	39	VC-POWERTEX-23
50	27	45	VC-POWERTEX-27
50	31	52	VC-POWERTEX-31
50	36	57	VC-POWERTEX-36
50	40	66	VC-POWERTEX-40

PU (m)	Inner-Ø (round) (mm)	Outer-Ø (flat) (mm)	Article number
50	44	72	VC-POWERTEX-44
50	55	89	VC-POWERTEX-55
50	60	97	VC-POWERTEX-60
50	66	107	VC-POWERTEX-66
50	73	118	VC-POWERTEX-73
50	93	149	VC-POWERTEX-93
50	112	179	VC-POWERTEX-112

Braided hose V8-2SN

Application:
High-pressure applications

Specifications:
Number of layers: 2
Cover: Black, synthetic rubber, wear resistant
Reinforcement: High-tensile steel wire braid
Inner tube: Black, synthetic rubber
Media: Hydraulic oil based on mineral oil, water emulsions and aqueous glycol solutions
Norm/Standards: EN 853-2SN
Temperature range: -40 °C to +100 °C, water and water-based media up to max. +70 °C



DN	Size	Inch	Outer-Ø (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	max. 15,7	100	400	1600	V8-2SN06	VC1-04
8	5	5/16	max. 17,3	115	350	1400	V8-2SN08	VC1-05
10	6	3/8	max. 19,7	130	330	1320	V8-2SN10	VC1-06
12	8	1/2	max. 23,0	180	275	1100	V8-2SN12	VC1-08
16	10	5/8	max. 26,2	200	250	1000	V8-2SN16	VC1-10
19	12	3/4	max. 30,1	240	215	860	V8-2SN20	VC1-12
25	16	1	max. 38,9	300	165	660	V8-2SN25	VC1-16

Braided hose V8-2SC

Application:
High-pressure applications

Specifications:
Number of layers: 2
Cover: Black, synthetic rubber, wear resistant
Reinforcement: High-tensile steel wire braid
Inner tube: Black, synthetic rubber
Media: Hydraulic oil based on mineral oil, water emulsions and aqueous glycol solutions
Norm/Standards: EN 857-2SC
Temperature range: -40 °C to +100 °C, water and water-based media up to max. +70 °C



DN	Size	Inch	Outer-Ø (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	max. 14,2	75	400	1600	V8-2SC06	VC2-04
8	5	5/16	max. 16,0	85	350	1400	V8-2SC08	VC2-05
10	6	3/8	max. 18,3	90	330	1320	V8-2SC10	VC2-06
12	8	1/2	max. 21,5	130	275	1100	V8-2SC12	VC2-08
16	10	5/8	max. 24,7	170	250	1000	V8-2SC16	VC2-10
19	12	3/4	max. 28,6	200	215	860	V8-2SC20	VC2-12
25	16	1	max. 36,6	250	165	660	V8-2SC25	VC2-16

Accessories Aluminum mounting ferrule

For safe fixation of protective hoses on hose lines



Outer-Ø (mm)	Inner-Ø (mm)	Length (mm)	Thickness (mm)	Article number
25	22	25	1,5	ABH25
28	25	25	1,5	ABH28
32	29	30	1,5	ABH32
35	32	30	1,5	ABH35
38	35	30	1,5	ABH38

Outer-Ø (mm)	Inner-Ø (mm)	Length (mm)	Thickness (mm)	Article number
45	42	30	1,5	ABH45
50	47	30	1,5	ABH50
60	57	30	1,5	ABH60
70	67	30	2,0	ABH70

Spiral hose V8-4SP

Application:
High-pressure applications

Specifications:
Number of layers: 4
Cover: Black, synthetic rubber, wear resistant
Reinforcement: High-tensile steel spirals
Inner tube: Black, synthetic rubber
Media: Hydraulic oil based on mineral oil, water emulsions and aqueous glycol solutions
Norm/Standards: EN 856-4SP
Temperature range: -40 °C to +100 °C, water and water-based media up to max. +70 °C



DN	Size	Inch	Outer-∅ (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
10	6	3/8	max. 22,2	180	445	1780	V8-4SP10	VC4-06
12	8	1/2	max. 25,4	230	415	1660	V8-4SP12	VC4-08
16	10	5/8	max. 29,0	250	350	1400	V8-4SP16	VC4-10
19	12	3/4	max. 33,0	300	350	1400	V8-4SP20	VC4-12
25	16	1	max. 40,9	340	280	1120	V8-4SP25	VC4-16

Multipurpose Hoses

Multipurpose hose V8-MP

Application:
Low pressure applications

Specifications:
Number of layers: 1
Cover: Black, synthetic rubber
Reinforcement: Synthetic fiber braid
Inner tube: Black, synthetic rubber
Media: Water, oil, air, gasoline, diesel, AdBlue, fertilizer, pesticides
Temperature range: -40 °C up to +100 °C



DN	Size	Inch	Outer-∅ (mm)	Inner-∅ (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	14,0	6,4	60	20	60	V8-MP06	VC2-04
8	5	5/16	15,5	7,9	80	20	60	V8-MP08	VC2-05
10	6	3/8	17,5	9,5	100	20	60	V8-MP10	VC2-06
12	8	1/2	22,0	12,7	125	20	60	V8-MP12	VC2-08
16	10	5/8	26,5	15,9	160	20	60	V8-MP16	VC2-10
19	12	3/4	29,4	19,1	190	20	60	V8-MP20	VC1-12
25	16	1	36,2	25,4	254	20	60	V8-MP25	VC1-16

Braided hose V8-1HWS

Application:
High pressure hose for pressure washer applications

Specifications:
Number of layers: 1
Cover: Black, synthetic rubber, oil, abrasion, ozone and weather resistant
Reinforcement: High-tensile steel wire braid
Inner tube: Black, synthetic polymer
Media: Water, commercial detergents
Temperature range: -40 °C to +150 °C



DN	Size	Inch	Outer-∅ (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	max. 13,4	75	280	840	V8-1HWS06	VC2-04
10	6	3/8	max. 17,4	90	280	840	V8-1HWS10	VC2-06
12	8	1/2	max. 20,6	130	280	840	V8-1HWS12	VC2-08

Braided hose V8-2HWS

Application:
High pressure hose for pressure washer applications

Specifications:
Number of layers: 2
Cover: Black, synthetic rubber, oil, abrasion, ozone and weather resistant
Reinforcement: High-tensile steel wire braids
Inner tube: Black, synthetic polymer
Media: Water, commercial detergents
Temperature range: -40 °C to +150 °C



DN	Size	Inch	Outer-∅ (mm)	Bending radius (mm)	Working pressure (bar)	Burst pressure (bar)	Article number	Standard ferrule
6	4	1/4	max. 15,7	75	400	1200	V8-2HWS06	VC2-04
10	6	3/8	max. 19,7	90	400	1200	V8-2HWS10	VC2-06
12	8	1/2	max. 23,0	130	400	1200	V8-2HWS12	VC2-08

Subject to technical modifications

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.

ValCon® Quality Hydraulics – powerful, precise, guaranteed.



Management
System
ISO 9001:2015

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