

SMART ONE - SMART TWO

Think smarter, choose SMART



We feel better under pressure

SMART hoses are Vitillo's latest innovation for medium pressure applications. They **exceed EN 857 1SC/2SC standards** for pressure, flexibility, abrasion and ozone resistance, durability and ensure the best performance with an **unrivalled quality/price ratio**.

The compact structure and high flexibility of SMART hoses make them perfect for applications in tight spaces, their low weight also allows to reduce the overall weight of the machinery and save energy.

The MSHA approved Smooth cover facilitates the assembly of protective sleeves and reduces friction and abrasion which are the main causes of hose breakage. Moreover the inner layer in NBR (nitrile compound) assures the best compatibility with the fluids and a better resistance to biodegradable oils.

1.000.000 impulse cycles tested

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SMART ONE

Exceed UNI EN 857 Type 1SC

Code	Hose Size			Outside diameter		Max working pressure		Min burst pressure		Min bend radius	
	D.N.	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch
TH1SC04SM	6	6.4	1/4"	12.4	0.49	270	3900	1080	15660	40	1.57
TH1SC05SM	8	7.9	5/16"	13.5	0.53	255	3700	1020	14800	50	1.96
TH1SC06SM	10	9.5	3/8"	15.8	0.62	250	3625	1000	14500	60	2.36
TH1SC08SM	12	12.8	1/2"	19.3	0.76	225	3260	900	13000	70	2.75
TH1SC10SM	16	16	5/8"	22.4	0.88	160	2320	640	9300	85	3.35
TH1SC12SM	19	19	3/4"	26	1.02	150	2175	600	8700	100	3.93
TH1SC16SM	25	25.4	1"	33.4	1.31	110	1595	400	6400	140	5.51

To order the Forever version, add FV to the end of the code.


Operating temperature range:

-40°C/+100°C (-40°/+212°F)
with peaks of +125°C (+257°F)

The combination of high temperature and high pressure reduces the hose service life.

Features*

 Smart ONE **+30%** - Smart TWO **+15%**

 **1/2 Bend** and **50%** more flexible

 Ozone resistance **x50 times**  Abrasion resistance **x8 times**

Compared to SAE 100 R1/R2 and EN 857 1SC/2SC

Reinforcement:

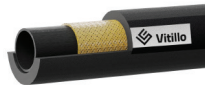
Smart ONE
1 high tensile steel braid.

Smart TWO
2 high tensile steel braids.

Cover:

EVERGREEN cover with high abrasion and ozone resistance (MSHA).

Certifications:



SMART TWO

Exceed UNI EN 857 Type 2SC

Code	Hose Size			Outside diameter		Max working pressure		Min burst pressure		Min bend radius	
	D.N.	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch
TH2SC04SM	6	6.4	1/4"	13.4	0.53	430	6200	1720	25000	45	1.77
TH2SC05SM	8	7.9	5/16"	15	0.59	400	5800	1600	23200	55	2.16
TH2SC06SM	10	9.5	3/8"	17	0.67	350	5100	1400	20400	65	2.56
TH2SC08SM	12	12.8	1/2"	20.8	0.82	310	4500	1240	18000	80	3.15
TH2SC10SM	16	16	5/8"	24.1	0.95	280	4100	1120	16200	90	3.54
TH2SC12SM	19	19	3/4"	27.9	1.1	270	3900	1080	15660	120	4.72
TH2SC16SM	25	25.4	1"	36.1	1.42	210	3045	840	12180	150	5.9

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