



ASGARD INDUSTRIAL SYSTEMS LTD.

# venAir

FLEXIBLE SOLUTIONS

*Silicone tubes for the food, pharmaceutical, cosmetic and chemical industries.  
In compliance with the FDA, BfR part XV standards and optionally with the USP Class VI*

**VENA SIL 640**



▶ Straight silicone hose

**VENA SIL 650 V  
VENA SIL 655**



▶ High flexible silicone hose

**VENA TECHNOSIL**



▶ Extruded reinforced silicone tube

**VENA BUTYLFOOD  
(BUTYL RUBBER)**



▶ High flexible Butyl Rubber hose

**VENA TECHNOSIL H-PTV**



▶ Extruded reinforced silicone tube  
High Pressure /  
Temperature /  
Vacuum Resistant

**316L STAINLESS  
STEEL FITTINGS**



▶ All our hoses can be  
supplied with stainless  
steel fittings (Clamp,  
DIN, SMS, ...)

**SILICONE  
SPECIAL SHAPES**



▶ According to  
your design

**PHARMLoader®**



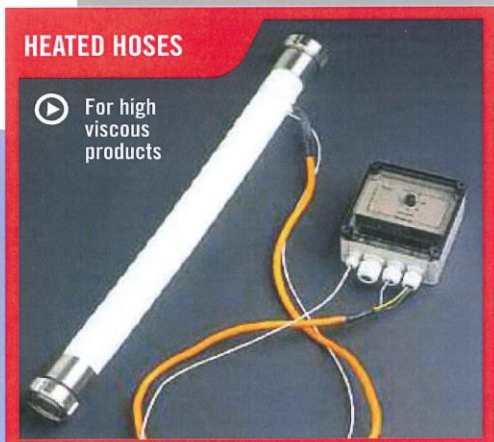
▶ Smooth silicone  
compensator food and  
pharmaceutical quality

**VENAFLON**



▶ Flexible silicone hose  
with an inner liner of  
smooth PTFE.

**HEATED HOSES**



▶ For high  
viscous  
products



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<b>VENA SIL 650 V</b>		Silicone + polyester reinforcements + INOX stainless steel spiral		Temperature range: -60° to +200°C / -76° to +392°F					
Inner diameter (mm)	Inner diameter (inch)	Wall thickness +1,0 -0,5 (mm)	Working pressure (bar at 20°C) ISO 1402/1994	Working pressure (psi at 68°F)	Bursting pressure (bar at 20°C) ISO 1402/1994	Bursting pressure (psi at 68°F)	Vacuum resistance	Bending radius (mm) ISO 1746/1983	
6	1/4	5,5	13,0	188	38,9	558	13,2 psi	29	
10	3/8		11,0	159	32,9	477		34	
13	1/2		9,9	143	29,8	432		39	
16	5/8		9,1	132	27,4	397	684Torr(mmHg)	45	
20	3/4		8,3	120	24,8	360		54	
22	7/8		7,9	114	23,7	343	0,91 bar	60	
25	1		7,4	107	22,2	322		68	
32	1 1/4		6,4	93	19,3	280	0,90 atm	94	
38	1 1/2		5,7	82	17,2	249		112	
51	2		4,6	66	13,8	200	9,29 mH <sub>2</sub> O	144	
63	2 1/2		3,8	55	11,3	164		181	
76	3		3,0	43	9,1	132		232	
102	4		1,9	27	5,6	81	26,93 inHg	382	

Standard Length: 4m (material in stock)

<b>VENA TECHNOSIL</b>		Silicone + polyester reinforcement		Temperature range: -60° to +200°C / -76° to +392°F					
Inner diameter (mm)	Inner diameter (inch)	Nominal diameter (mm)	Outer diameter (mm)	Working pressure (bar at 20°C) ISO 1402/1994	Working pressure (psi at 68°F)	Bursting pressure (bar at 20°C) ISO 1402/1994	Bursting pressure (psi at 68°F)	Weight ±5% (g/m)	Bending radius (mm) ISO 1746/1983
6,35	1/4	6	13,2	9,3	134	28	406	109	40
7,93	5/16	8	15,0	7,7	111	23	333	147	45
9,52	3/8	10	16,6	7,0	101	21	304	185	55
12,70	1/2	12	20,3	5,7	82	17	246	260	70
15,87	5/8	16	24,5	4,3	62	13	188	336	85
19,05	3/4	19	27,9	3,7	53	11	159	410	95
22,22	7/8	22	31,3	3,3	47	10	145	486	110
25,40	1	25	34,5	3,0	43	9	130	562	135
31,75	1 1/4	32	40,8	2,3	33	7	101	713	160

Standard Length: 10 and 20m (material in stock)

<b>VENA TECHNOSIL Platinum H-PTV</b>		Silicone + glass fibre reinforcement		Temperature range: -60° to +220°C / -76° to +428°F					
Inner diameter (mm)	Inner diameter (inch)	Nominal diameter (mm)	Outer diameter (mm)	Working pressure (bar at 20°C) ISO 1402/1994	Bursting pressure (bar at 20°C) ISO 1402/1994	Weight ±5% (g/m)	Bending radius (mm) ISO 1746/1983		
3,00	1/8	3	8,00	23,33	70	55	30		
4,00	5/32	4	9,00	21,67	65	65	35		
5,00	3/16	5	11,00	20,67	62	95	40		
6,35	1/4	6	12,00	18,67	56	105	45		
7,93	5/16	8	15,00	15,33	46	160	55		
9,52	3/8	10	17,00	14,00	42	190	70		
12,70	1/2	12	22,00	11,33	34	300	85		
15,87	5/8	16	25,00	10,00	30	370	95		
19,05	3/4	19	31,00	7,33	22	570	135		
22,20	7/8	22	31,30	6,67	20	610	141		
25,40	1	25	38,00	6,00	18	740	160		
31,75	1 1/4	32	46,00	5,00	15	1020	200		

Standard Length: 10 and 20m (material in stock)

<b>VENAFLON</b>		PTFE + Silicone		Temperature range: -60°C to +180°C / -76°F to +356°F			
Inner diameter (mm)	Wall thickness (mm)	Working pressure (bar) Water at 20°C	Bursting pressure (bar) Water at 20°C	Vacuum (bar) Water at 20°C	Bending radius (mm)		
13	6,2	26,0	78	-0,95	88		
19	6,2	21,7	65	-0,90	135		
25	6,2	17,7	53	-0,90	182		
32	6,2	15,3	46	-0,90	228		
38	6,2	14,0	42	-0,90	275		
51	6,2	10,7	32	-0,85	318		