

CHEMICAL-RESISTANT

CP SIL 460

Silicone clamp profile hose — flame-retardant, heat-resistant up to +280 °C



Highly flexible clamp profile hose in silicone, heat-resistant up to +280 °C peak. Flame-retardant per DIN 4102-B1 and fitted with stainless steel (INOX) clamp profile. Designed for demanding high-temperature extraction applications in glass industry, ceramic production and metal industry. The silicone construction combines high temperature tolerance with good flexibility at cold temperatures.

Media: Gas, Dust

Temp: -30 °C to 250 °C

✓ Cut to length

APPLICATIONS

- High-temperature extraction in glass industry
- Ceramic process extraction at hot products
- Metal industry extraction at smelting processes
- Hot air transport at higher temperatures
- Vapour/aerosol handling at hot processes

Technical specifications

Material	Silicone with stainless steel (INOX) clamp profile
Colour	White
Wall construction	Clamp profile with silicone wall, compressible 4:1
Spiral material	stainless steel (INOX) clamp profile
Conveying media	Gas, Dust
Temperature range	-30 °C – 250 °C
Short-term peak	280 °C
Cut to length	Yes
Manufacturer SKU	4600000

Standards and compliance

din-4102-b1, REACH, RoHS

Dimensions and ordering

The hose is supplied in 39 standard sizes from inner Ø 50.5 mm to 750.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
50.5	62.5	0.525	0.3	18	15	0.59	6	46000500000
55	67	0.5	0.28	20	15	0.64	6	46000550000
60	72	0.48	0.25	20	15	0.69	6	46000600000
64.5	76.5	0.46	0.23	22	15	0.74	6	46000650000
64.5	76.5	0.46	0.23	22	10	0.74	-	46000630000
70	82	0.44	0.21	22	15	0.8	6	46000700000
75.6	87.6	0.42	0.18	24	15	0.85	6	46000750000
80	92	0.405	0.16	24	15	0.9	6	46000800000
90	102	0.375	0.11	26	15	1.01	3, 6	46000900000
101.5	113.5	0.25	0.1	28	15	0.86	6	46001000000
110	122	0.24	0.085	30	15	0.92	3, 6	46001100000
115	127	0.23	0.08	32	15	0.96	3, 6	46001150000
120	132	0.225	0.075	32	15	1	3, 6	46001200000
126.5	138.5	0.22	0.07	34	15	1.05	3, 6	46001250000
130	142	0.215	0.06	34	15	1.08	3, 6	46001300000
140	152	0.205	0.05	36	15	1.16	3, 6	46001400000
151.5	163.5	0.14	0.04	38	15	0.89	3, 6	46001500000
160	172	0.135	0.035	40	15	0.94	3, 6	46001600000
170	182	0.13	0.035	42	15	1	3, 6	46001700000
180	192	0.125	0.03	44	15	1.06	3, 6	46001800000
202.3	214.3	0.115	0.025	48	15	1.18	3, 6	46002000000
215	227	0.11	0.02	52	15	1.25	3, 6	46002150000
225	237	0.11	0.02	54	15	1.31	3, 6	46002250000
228.5	240.5	0.11	0.02	54	15	1.33	3, 6	46002280000
250	262	0.08	0.02	58	15	1.45	3, 6	46002500000
254	266	0.08	0.02	60	15	1.48	3, 6	46002540000
275	287	0.075	0.015	64	15	1.59	3, 6	46002750000
280	292	0.075	0.015	65	15	1.62	3, 6	46002800000
300	312	0.07	0.01	68	15	1.74	3, 6	46003000000
305	317	0.07	0.01	69	15	1.77	3, 6	46003050000
315	327	0.07	0.01	71	15	1.82	3, 6	46003150000
325	337	0.07	0.01	74	15	1.88	3, 6	46003250000

Inner Ø [mm]	Outer Ø [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
400	412	0.05	0.01	88	15	2.3	3, 6	46004000000
406	418	0.05	0.01	-	15	2.34	-	46004060000
457	469	0.045	0.005	100	15	2.63	3, 6	46004570000
500	512	0.04	0.005	108	15	2.87	3, 6	46005000000
508	520	0.03	0.005	110	10	2.92	3, 6	46005080000
660	672	0.02	0.001	-	3	3.78	-	46006600000
750	762	0.02	0.001	158	3	4.29	3	46007500000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

Other Particulair microsities

We build specialised microsities for critical industries. Each site provides in-depth product data, documentation and expert guidance for the domain it covers.

particulair.eu/ex-vac	ATEX and ACD vacuum cleaners for explosion hazard zones
particulair.eu/vace	Nozzles and accessories for critical environments
particulair.eu/life-science	Vacuums for pharma and cleanroom
particulair.eu/hardo	Explosion-protected electrical Ex-equipment

Contact and advisory

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

Product page: particulair.eu/flexcore/en/chemical/cp-sil-460/

SMARTER THINKING • BETTER WORKING

This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.