

ABCOFLEX HOSES

ABC SYNTHETICS PRIVATE LIMITED



- Founded in 1973
- Head office in Mumbai, India
- Factory in Surat, Gujarat
- Pioneers in the flexible hosepipe industry in India
- Operative excellence with perfect service for our partners
- Competence in consulting and quality
- Extensive range of products for all industries



Techno Hose Collection

ABCOFLEX Techno Hose Series consists of carefully selected products for top level demands. Major key words are quality, materials, tolerances and standards.

ABCOFLEX Techno Hose Series are hoses that are selected for their high performance. The hoses are suitable for industries such as the Food, Chemicals, Pharmaceutical and Process Industries.

We approach both end users and OEM customers. We are often involved at an early stage of the process in terms of problem solving or new construction.

Our business concept is to provide the market with industrial hoses, end fittings and special customized solutions

TECHNO HOSE COLLECTION

SMOOTH BORE PTFE HOSE IN SS BRAIDING

APPLICATION:

Suitable for water, steam and most chemicals e.g. solvents, alcohols, concentrated acids, gases, esters, oils, ketones and Freon.

CONSTRUCTION:

Made of PTFE inside with stainless steel wire braiding. Does not absorb water, age, shrink and no known substance sticks to PTFE. Approved by FDA, DVGW, BFR.

TEMPERATURE RANGE:

-60°C - +250°C.



Code	ID	OD	Working Pressure	Burst Pressure	Minimum Bend Radius
	MM	MM	BAR	BAR	MM
PKT05	5	7.5	250	750	50
PKT06	6.5	9	230	700	70
PKT08	8	10.8	190	580	90
PKT10	9.5	12.3	180	550	100
PKT12	12.7	15.7	145	440	110
PKT16	16	19	130	400	150
PKT20	19	22.1	80	240	200
PKT25	25.4	29.5	65	200	300

AVAILABLE IN:

- FOOD GRADE
- DOUBLE BRAID
- VACCUM
- PERMANENTLY ANTI-STATIC
- POLYPROPYLENE BRAID

TECHNO HOSE COLLECTION

SMOOTH BORE PTFE HOSE WITH RUBBER COVER

APPLICATION:

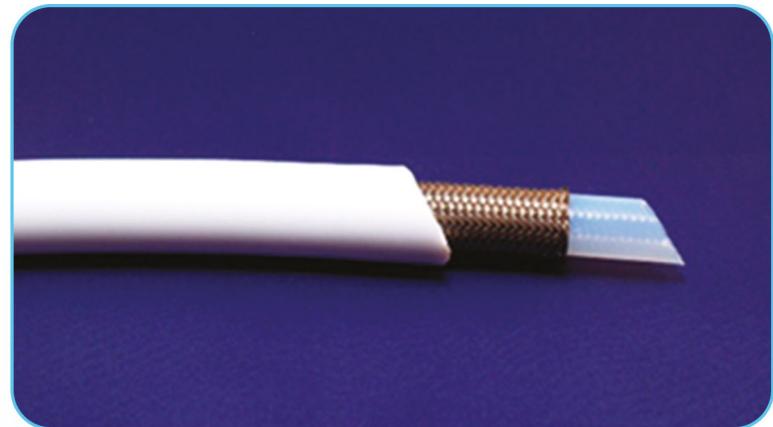
A suction and delivery hose for chemicals, foodstuff and pharmaceutical industry. Resistant to high temperature. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties.

CONSTRUCTION:

Smooth PTFE inner core complies with the FDA 21 CFR 177.1550, 177.2600 standards, UPS XXIII class VI and European Pharmacopoeia 3.1.9. Multiple reinforcements of synthetic plies, steel wire and outer cover of Silicone or EPDM which is conductive, abrasion, ageing and ozone resistant.

TEMPERATURE RANGE:

-60°C - +250°C. (The operating temperature of the hose is directly dependent upon the specific fluid been conveyed.)



Code	ID	OD	Working Pressure	Burst Pressure	Minimum Bend Radius
	MM	MM	BAR	BAR	MM
SKT10	9.5	16.5	180	550	100
SKT12	12.7	20.6	145	440	110
SKT16	16	24.2	130	400	150
SKT20	19	27.4	80	240	180
SKT25	25.4	38	65	200	250
SKT38	38	52	40	160	475
SKT50	50	64	25	100	650

AVAILABLE IN:

- FOOD GRADE
- MILKY WHITE SILICONE COVER OR BLUE EPDM COVER
- VACCUM
- PERMANENTLY ANTI-STATIC

TECHNO HOSE COLLECTION

PTFE CORRUGATED HOSE WITH SS BRAIDING

APPLICATION:

Suitable for water, steam and most chemicals e.g. solvents, gases, gases at high temperatures and melting alkalis. This hose is very flexible.

CONSTRUCTION:

Convoluted PTFE with steel braiding AISI 304. Approved by FDA, DVGW and BFR.

TEMPERATURE RANGE:

-60°C - +250°C.



Code	ID	OD	Working Pressure	Burst Pressure	Minimum Bend Radius
	MM	MM	BAR	BAR	MM
PKX12	13	18.5	100	300	30
PKX20	20	25	70	210	70
PKX25	25	33	45	140	90
PKX32	32	40	40	120	120
PKX38	38	46	32	100	150
PKX50	50	60	26	80	180
PKX68	63	81	18	60	250
PKX76	76	90	18	60	300
PKX100	100	121	14	45	400

AVAILABLE IN:

- FOOD GRADE
- DOUBLE BRAID
- VACCUUM
- PERMANENTLY ANTI-STATIC
- POLYPROPYLENE BRAID

TECHNO HOSE COLLECTION

SILICONE HOSE WITH SPIRAL WIRE

APPLICATION:

Suitable for the pharmaceutical, food and cosmetics industries. Construction offers a good balance between strength and light weight, making this ABCOFLEX hose easy to handle and also suitable at shorter lengths. It can be used both as a pressure and suction hose or as a vibration damper.

CONSTRUCTION:

Smooth silicone inner and outer lining. Polyester reinforcement, close-lapped stainless steel spiral. The hose meets USP class VI, FDA CFR 177.2600, BFR part XV Standards.

TEMPERATURE RANGE:

-60°C - +200°C.



Code	ID	OD	Working Pressure	Burst Pressure	Minimum Bend Radius	Vacuum
	MM	MM	BAR	BAR	MM	MM of Hg
PSV10	08	16	10.5	42	35	760
PSV12	13	23	10.5	42	50	760
PSV16	16	25	10.5	42	65	760
PSV20	20	29	10.5	42	65	760
PSV25	25	36	10.5	42	90	760
PSV38	38	48	10.5	42	100	760
PSV50	50	61	8.5	35	150	760
PSV65	63	74	8.5	35	280	760
PSV76	76	86	4	28	350	700
PSV100	101	117	3	12	400	600

AVAILABLE IN:

- FOOD GRADE
- VACCUM

TECHNO HOSE COLLECTION

POLYURETHANE HOSE WITH SS WIRE

APPLICATION:

Suction and discharging of highly abrasive and granular materials, suitable for applications in food and pharmaceutical industry.

CONSTRUCTION:

Polyether- polythene;
Spiral - stainless steel wire;
Clear.

TEMPERATURE RANGE:

-40°C -+100°C.



Code	ID MM	Material Thickness MM	Working Pressure BAR	Vacuum BAR
HPUC25	25	1,4	3,00	0,90
HPUC40	40	1,4	2,30	0,70
HPUC50	50	1,4	1,90	0,60
HPUC63	63	1,4	1,80	0,55
HPUC76	76	1,4	1,20	0,50
HPUC100	100	1,4	1,10	0,40

AVAILABLE IN:

- FOOD GRADE
- VACUUM
- PERMANENTLY ANTI-STATIC

TECHNO HOSE COLLECTION

XLPE CHEMICAL HOSE

APPLICATION:

Suction and discharge hose for chemical products.

CONSTRUCTION:

Tube in smooth cross linked polyethylene transparent (XLPE), textile plies, anti-static copper wire to discharge static electricity, steel wire helix. Cover in smooth EPDM, conductive, ageing and ozone resistant.

TEMPERATURE RANGE:

-30 - +90°C.



Code	ID MM	OD MM	Working Pressure BAR	Burst Pressure BAR	Minimum Bend Radius MM	Vacuum MM of Hg
XL020	20	29	10	40	65	760
XL025	25	36	10	40	90	760
XL032	32	46	10	40	150	760
XL038	38	52	10	40	100	760
XL050	50	61	10	40	150	760
XL063	63	74	10	40	280	760
XL076	76	86	10	40	350	700
XL100	101	118	10	40	760	700

AVAILABLE IN:

- VACCUM

TECHNO HOSE COLLECTION

SUCTION & DELIVERY HOSE FOR MILK - CRUSH RESISTANT

APPLICATION:

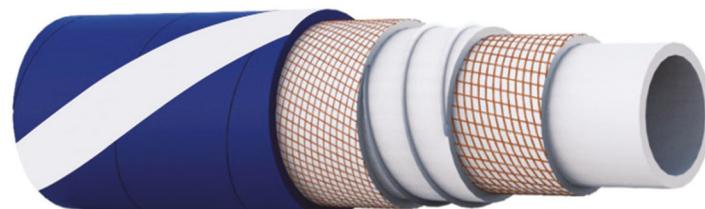
Crush resistant suction and delivery hose for milk and fatty foods, very light.

CONSTRUCTION:

Inner white, smooth NR rubber compound, food quality odourless and taste free. Reinforced with high strength synthetic plies with nylon spirals with outer blue colour, smooth, cloth impression NR rubber, resistant to abrasion, ozone and weather.

TEMPERATURE RANGE:

-40°C - +80°C can be sterilised to 110°C for 30 Minutes.



Code	ID	OD	Working Pressure	Burst Pressure	Minimum Bend Radius	Vacuum
	MM	MM	BAR	BAR	MM	BAR
RCP38	38	52	10	30	150	0.4
RCP50	51	67	10	30	180	0.4
RCP63	63.5	81	10	30	192	0.4
RCP65	65	88	10	30	195	0.4
RCP76	76	100	10	30	228	0.4
RCP100	102	127	10	30	240	0.4

AVAILABLE IN:

- FOOD GRADE
- VACCUM

TECHNO HOSE COLLECTION

CORRUGATED METAL HOSE WITH SS BRAIDING

APPLICATION:

Suitable for high pressure hot water, steam, hot oils, oxygen etc.

Loading and unloading of tankers with gas, chemicals and other system on diesel and petrol motors.

CONSTRUCTION:

Stainless steel corrugated metal hose with braiding offered in austenitic steel.

TEMPERATURE RANGE:

-269°C - +600°C.



Code	Nominal Bore MM	Minimum Bend Radius		Single Braid		Double Braid	
		Static MM	Flexing MM	Max. Pressure Kg/cm2	Test Pressure Kg/cm2	Max. Pressure Kg/cm2	Test Pressure Kg/cm2
SM006	6	25	100	100	150	160	240
SM010	10	40	150	90	135	144	216
SM012	12	50	200	80	120	128	192
SM020	20	70	200	64	96	102	153
SM025	25	90	200	50	75	80	120
SM032	32	110	250	40	60	64	96
SM038	40	130	250	30	45	48	92
SM050	50	175	350	28	42	44	66
SM063	63	200	410	24	36	38	57
SM076	76	205	450	18	27	28	42
SM100	100	230	560	16	24	26	39
SM150	150	320	816	10	15	16	24

AVAILABLE IN:

- FOOD GRADE
- DOUBLE BRAID
- VACCUM

TECHNO HOSE COLLECTION



AVAILABLE IN:

- PTFE LINED FITTINGS

ABCOFLEX HOSES

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