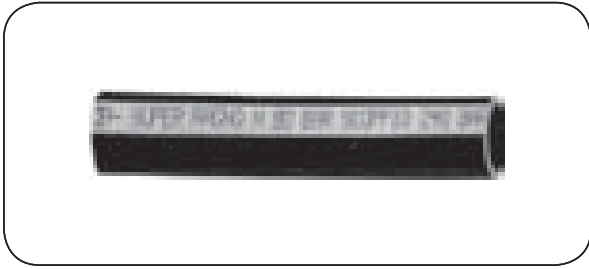


INDUSTRIAL HOSES - general purpose

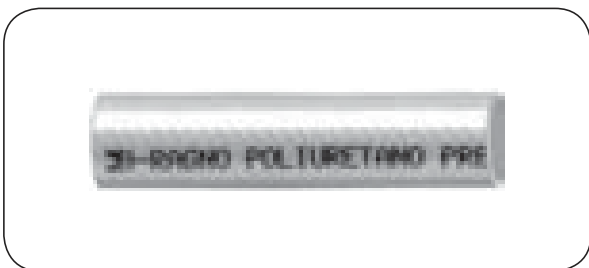


RAGNO N 20-40 BAR SUPER RAGNO N 80 BAR

Internal layer: PVC
Reinforcement: Polyester cord (single or double depending on a version or on a diameter)
External layer: PVC
Working temp.: Up to +60°C

Characteristics: Lightweight, flexible hose designed to transfer compressed air, water or slightly aggressive chemicals. It is widely used for compressors or in the agriculture industry to water, dew, irrigate or to splash crops with pesticides or herbicides. External layer is resistant to abrasion and weather conditions.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	standard length [m]
RAGNO N 20					
ME-RAGNO/N20-08	8	13	20	60	100
ME-RAGNO/N20-10	10	15	20	60	100
ME-RAGNO/N20-13	13	19	20	60	100
ME-RAGNO/N20-16	16	23	20	60	100
ME-RAGNO/N20-19	19	26	20	60	100
ME-RAGNO/N20-25	25	34	20	60	50
RAGNO N 40					
ME-RAGNO/N40-08	8	14	40	120	100
ME-RAGNO/N40-10	10	16	40	120	100
ME-RAGNO/N40-13	13	21	40	120	100
SUPER RAGNO N 80					
ME-RAGNO/N80-08	8	15	80	240	100
ME-RAGNO/N80-10	10	19	80	240	100
ME-RAGNO/N80-13	13	23	80	240	100



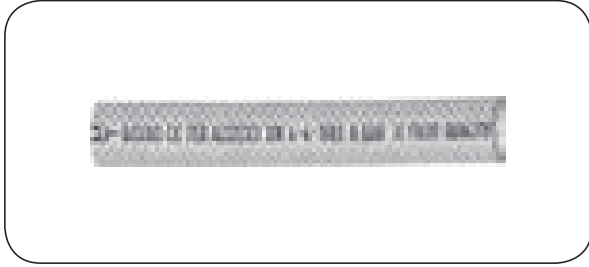
RAGNO PU

Internal layer no 1: Abrasive resistant polyurethane
Internal layer no 2: PVC + thermoplastic rubber compound
Reinforcement: Polyester cord
External layer: PVC + thermoplastic rubber compound
Working temp.: From -15°C to +60°C

Characteristics: Very lightweight, flexible hose with a small bending radius and kink resistance. External layer is highly resistant to ozone, fats, oils and slightly aggressive chemicals. It is widely used for pneumatic tools, spray guns, painting guns, sandblasting, etc. Suitable for hose reel applications.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	standard length [m]
ME-RAGNO/PU-06	6	10	20	60	100
ME-RAGNO/PU-08	8	12	20	60	60
ME-RAGNO/PU-10	10	15	20	60	50
ME-RAGNO/PU-13	13	19	20	60	30
ME-RAGNO/PU-16	16	23	20	60	25

INDUSTRIAL HOSES - general purpose

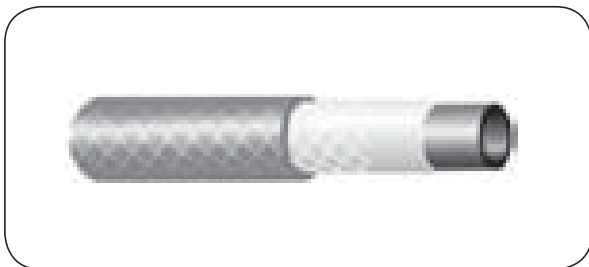


RAGNO CR

Internal layer: Transparent PVC
Reinforcement: Polyester cord
External layer: Transparent PVC
Working temp.: From -5°C to +60°C

Characteristics: General purpose, flexible, delivery hose. It is widely used for water, compressed air, slightly aggressive chemicals as well as in the food and can industry. PZH Certificate. Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	working pressure 40°C [bar]	working pressure 60°C [bar]	standard length [m]
ME-RAGNO/CR-04	4	10	20	16	12	100
ME-RAGNO/CR-05	5	11	20	16	12	100
ME-RAGNO/CR-06	6	11	20	16	12	100
ME-RAGNO/CR-08	8	13	18	13	9	100
ME-RAGNO/CR-10	10	15	18	13	9	100
ME-RAGNO/CR-12	12	18	12	9	6	50
ME-RAGNO/CR-16	16	22	10	7	4	50
ME-RAGNO/CR-19	19	25	10	7	4	50
ME-RAGNO/CR-25	25	32	8	5	3	50
ME-RAGNO/CR-32	32	42	8	4	2	50
ME-RAGNO/CR-38	38	48	8	4	2	50
ME-RAGNO/CR-50	50	62	8	4	2	25



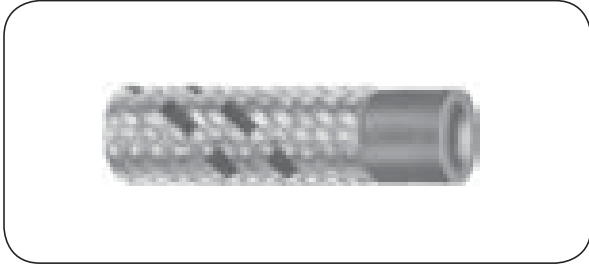
RP

Internal layer: Transparent PVC
Reinforcement: Polyester cord
External layer: Blue or red PVC
Working temp.: From -20°C to +55°C

Characteristics: General purpose, flexible, delivery hose. It is widely used for water, compressed air, slightly aggressive chemicals as well as in the food and can industry. Safety factor 3:1.

code (red)	code (blue)	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	weight [kg/m]	standard length [m]
CX-RP-06R	CX-RP-06BL	6,3	11,5	20	61	0,091	30
CX-RP-08R	CX-RP-08BL	8	13,5	19	59	0,117	30
CX-RP-10R	CX-RP-10BL	10	16	16	48	0,154	30
CX-RP-12R	CX-RP-12BL	12,5	18,5	15	45	0,183	30
CX-RP-19R	CX-RP-19BL	19	26	13	39	0,310	30

INDUSTRIAL HOSES - general purpose



ZINCOFLEX - C

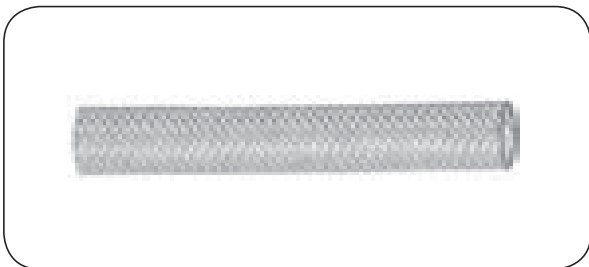
Internal layer: Non-toxic EPDM rubber

Reinforcement: Galvanised steel braid

Working temp.: From -10°C to +100°C

Characteristics: Hose designed for water and non corrosive fluids. Widely used in sanitary systems, boilers and cooling systems. Two red stripes in the braid of the hose indicate the resistance to high fluid temperature.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	standard length [m]
RK-ZCF/C-06	6	9	15	60	20	50
RK-ZCF/C-10	10	13,2	15	60	40	50
RK-ZCF/C-13	13	18	15	60	60	50
RK-ZCF/C-19	19	25	10	40	80	50
RK-ZCF/C-25	25	32	10	40	100	50
RK-ZCF/C-32	32	41	10	40	160	50
RK-ZCF/C-40	40	51	6	24	180	50
RK-ZCF/C-50	50	62	6	24	230	50



WTZ

Internal layer: Transparent PVC

Reinforcement: Polyester cord

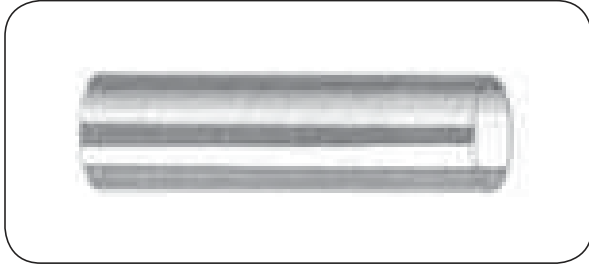
External layer: Transparent PVC

Working temp.: From -5°C to +50°C

Characteristics: General purpose, flexible hose. It is widely used for household applications, in agriculture and gardening industry.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	standard length [m]
PR-WTZ-08	8	12,5	15	60	50
PR-WTZ-10	10	14,5	10	40	50
PR-WTZ-12	12,5	17	12	48	50

INDUSTRIAL HOSES - general purpose

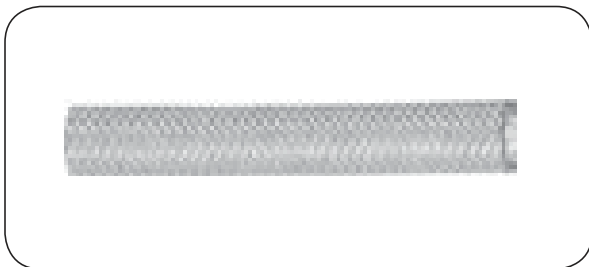


CPU

Material: Soft, transparent polyurethane
Working temp.: From -30°C to +70°C
 (with peaks up to +100°C)

Characteristics: General purpose, highly flexible hose used for oils, greases, petroleum products and many other chemicals and granulates. Remains very flexible at low temperatures.

code	I.D. [mm]	O.D. [mm]	bending radius [mm]	standard length [m]
CX-CPU-03	3	6	36	30
CX-CPU-05	5	8	48	30
CX-CPU-06	6	9	63	30
CX-CPU-08	8	11	66	30
CX-CPU-10	10	16	96	30
CX-CPU-13	13	19	114	30



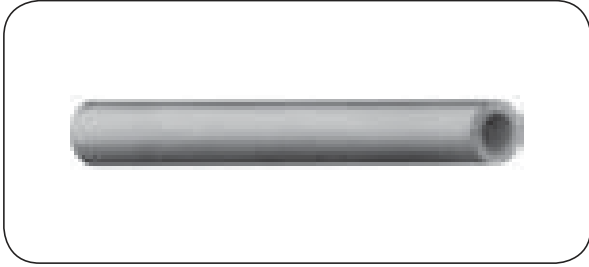
RPU

Internal layer: Soft, transparent polyurethane
Reinforcement: Polyester cord
External layer: Soft, transparent polyurethane
Working temp.: From -30°C to +70°C
 (with peaks up to +100°C)

Characteristics: General purpose, highly flexible hose used for water, food products, air, oils, greases, petroleum products and many other chemicals and granulates. Fulfills FDA standards.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	weight [kg/m]	standard length [m]
CX-RPU-06	6,3	11,5	19	60	0,096	30
CX-RPU-10	10	16	16	53	0,138	30
CX-RPU-13	12,5	18,5	14	35	0,181	30
CX-RPU-16	16	23	11	38	0,241	30
CX-RPU-19	19	26	9	35	0,278	30
CX-RPU-25	25	33	7	28	0,409	30

INDUSTRIAL HOSES - general purpose



NIPLAFLEX

Internal layer: Black, smooth seamless NBR and PVC compound

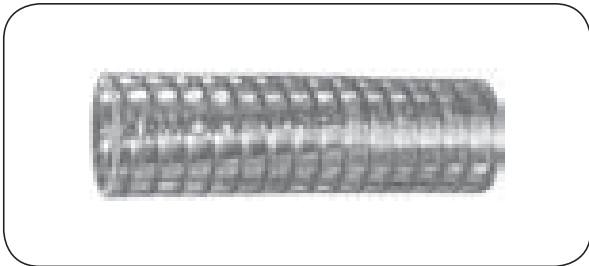
Reinforcement: Synthetic cord

External layer: Black, smooth seamless NBR and PVC compound

Working temp.: From -20°C to +70°C

Characteristics: General purpose, highly flexible hose used for water, air, oil, petrol, grease, many chemicals, pesticides, etc. Non-staining external layer resistant to ageing and ozone.

code	I.D. [mm]	wall thickness [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
BG-3240006000	6	3	12	25	75	0,11	100
BG-3240008000	8	3,5	15	25	75	0,17	100
BG-3240009000	9	3,5	16	25	75	0,19	100
BG-3240010000	10	3,5	17	25	75	0,20	100
BG-3240013000	13	4	21	25	75	0,28	100
BG-3240019000	19	4,5	28	25	75	0,44	50



ARMORVIN PRESS PU

Internal layer: Transparent, smooth polyurethane

Reinforcement: Steel wire helix

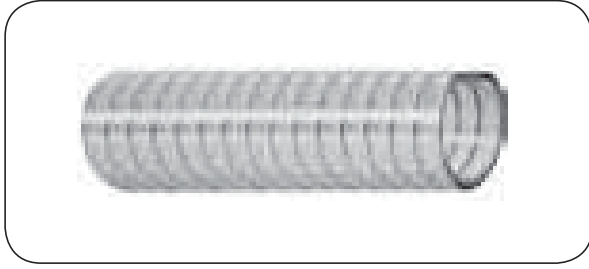
External layer: Transparent, smooth polyurethane

Working temp.: From -20°C to +90°C (temperature of conveyed medium)

Characteristics: Lightweight, very flexible suction and delivery hose used for pneumatic and hydraulic applications as well as to transfer food liquids, chemicals, etc. Resistant to oil and hydrocarbons. PZH Certificate.

code	I.D. [mm]	wall thickness [mm]	working pressure 20°C [bar]	bursting pressure [bar]		vacuum [m. H ₂ O]	bending radius [mm]	weight [kg/m]	standard length [m]
				20°C	70°C				
ME-ARMPREPU-05	5	2,5	20	130	28	9	20	0,080	60
ME-ARMPREPU-06	6	2,5	20	125	26	9	23	0,095	60
ME-ARMPREPU-08	8	2,7	18	110	24	9	32	0,135	60
ME-ARMPREPU-09	9,5	3	18	105	23	9	38	0,170	60
ME-ARMPREPU-10	10	3	17	100	23	9	40	0,180	60
ME-ARMPREPU-12	12	3	16	85	21	9	45	0,210	60
ME-ARMPREPU-13	13	3,1	15	80	20	9	50	0,230	60
ME-ARMPREPU-14	14	3,2	14	78	19	9	56	0,260	60
ME-ARMPREPU-16	16	3,5	14	75	18	9	63	0,290	60
ME-ARMPREPU-18	18	3,5	12	73	17	9	70	0,340	60
ME-ARMPREPU-19	19	3,5	12	72	17	9	76	0,350	60
ME-ARMPREPU-20	20	3,5	12	70	16	9	80	0,365	60

INDUSTRIAL HOSES - general purpose

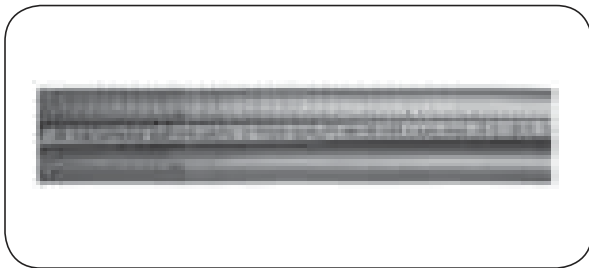


ARMOFLEX PU

Internal layer: Smooth, transparent polyurethane
Reinforcement: Steel helix wire
External layer: Smooth, transparent PVC
Working temp.: From -20°C to +80°C

Characteristics: Lightweight, very flexible suction and delivery hose used for pneumatic, hydraulic, powder and pulverized products, grains, gravels, granulates, sand, corn, etc. Resistant to oil and hydrocarbons.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
BG-4482038000	38	47	6	0,9	152	0,80	30
BG-4482040000	40	50	6	0,9	160	0,95	30
BG-4482050000	51	62	6	0,9	204	1,30	30
BG-4482063000	65	78	6	0,9	260	1,80	30
BG-4482075000	76	89	4	0,9	304	2,30	30



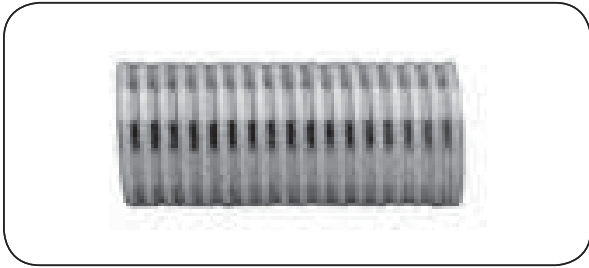
VACUPRESS SUPERELASTIC

Internal layer: White PVC
Reinforcement: Steel helix wire, polyester cord
External layer: Black PVC
Working temp.: From -25°C to +60°C

Characteristics: Flexible suction and delivery hose used for dry goods, food products, drinking water and alcohol up to 28%. It can be used for loading and unloading of large containers, industrial plant engineering, etc. Remains very flexible, even at low temperatures. Smooth internal layer improves cleaning maintenance and loading/unloading performance and time by 20%. It is resistant to weather conditions and abrasion (according to DIN 53516 : mm³ <160). Available with antistatic wire on request. For wine and juice industry a special version - VACUPRESS ENO with red external layer is available.

code	I.D. [mm]	O.D. [mm]	bending radius [mm]	working press. 20°C [bar]	bursting press. 20°C [bar]	vacuum [m H ₂ O]	weight [kg/m]	standard length [m]
ME-VACUPRSE-019	19	28	70	20	60	9	0,47	60
ME-VACUPRSE-025	25	35,6	80	16	48	9	0,68	60
ME-VACUPRSE-030	30	40,6	90	16	48	9	0,77	60
ME-VACUPRSE-032	32	42,6	100	16	48	9	0,80	60
ME-VACUPRSE-035	35	47	115	14	42	9	1,05	60
ME-VACUPRSE-038	38	51	125	14	42	9	1,20	30
ME-VACUPRSE-040	40	53	130	14	42	9	1,22	30
ME-VACUPRSE-045	45	58	140	12	36	9	1,34	30
ME-VACUPRSE-050	50	63	150	12	36	9	1,60	30
ME-VACUPRSE-060	60	74	180	12	36	9	2,00	30
ME-VACUPRSE-063	63	77	190	12	36	9	2,10	30
ME-VACUPRSE-076	76	92	210	12	36	9	2,90	30
ME-VACUPRSE-080	80	96	220	10	30	9	2,95	30
ME-VACUPRSE-090	90	107	250	10	30	9	3,50	30
ME-VACUPRSE-102	102	119	300	10	30	9	4,00	20
ME-VACUPRSE-120	120	138	350	8	24	9	5,30	20
ME-VACUPRSE-127	127	145	370	7	21	9	5,80	20
ME-VACUPRSE-152	152	171	480	5	15	9	6,85	20

INDUSTRIAL HOSES - general purpose

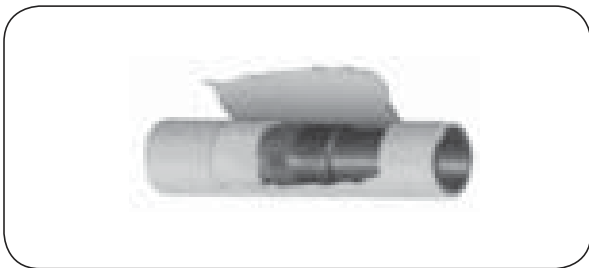


FLORIDA

Material: Transparent PVC
Reinforcement: Rigid PVC spiral
Working temp.: From -5°C to +60°C

Characteristics: Light, flexible hose designed to transfer drinking water, food products, light chemicals and alcohols with up to 28% concentration.

code	I.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum [m. H ₂ O]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-FLORIDA-20	20	2,4	6,5	6	110	0,21	25
ME-FLORIDA-25	25	2,4	6,5	6	140	0,25	25
ME-FLORIDA-30	30	2,5	6	6	175	0,33	25
ME-FLORIDA-32	32	2,6	6	6	180	0,35	25
ME-FLORIDA-35	35	2,7	6	6	195	0,40	25
ME-FLORIDA-38	38	2,8	6	6	210	0,43	25
ME-FLORIDA-40	40	3,0	5,5	6	220	0,48	25
ME-FLORIDA-45	45	3,5	5,5	6	255	0,64	25
ME-FLORIDA-50	50	4,0	5,5	6	275	0,76	25
ME-FLORIDA-55	55	4,3	5,5	6	310	0,86	25
ME-FLORIDA-60	60	4,3	4	6	330	0,90	25
ME-FLORIDA-63	63	4,1	4	6	350	0,97	25
ME-FLORIDA-70	70	4,5	3	6	450	1,13	25
ME-FLORIDA-75	75	4,7	3	6	500	1,20	25
ME-FLORIDA-80	80	4,7	3	6	550	1,45	25



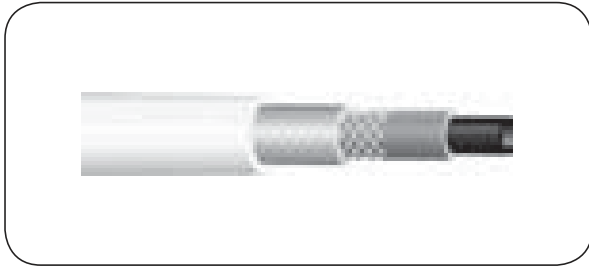
TRICOFLEX

Internal layer: Two layers of black PVC
Reinforcement: Strong textile braid
External layer: Yellow PVC
Working temp.: From -15°C to +60°C

Characteristics: Flexible delivery hose for general purposes. Double external layer and a strong textile knitted braid ensure better tensile strength. Due to its construction recommended for irrigation systems.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-TRICOFLEX-25	25	32,5	8	20	240	0,44	50
TR-TRICOFLEX-30	30	39	8	20	300	0,64	50
TR-TRICOFLEX-35	35	45	8	20	350	0,82	50
TR-TRICOFLEX-40	40	51	8	20	400	1,03	50
TR-TRICOFLEX-50	50	63	8	20	500	1,51	50

INDUSTRIAL HOSES - general purpose

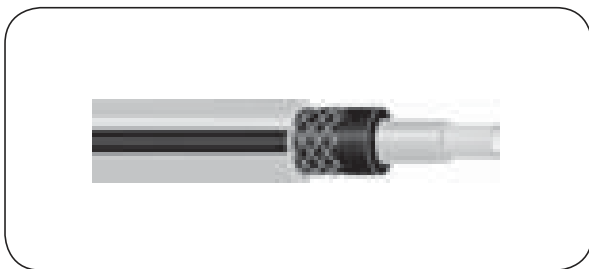


THERMOSOFT

Internal layer: Black PVC
Reinforcement: Textile braid
External layer: Yellow PVC
Working temp.: From -20°C to +100°C
 (with peaks up to +120°C)

Characteristics: General purpose hose designed to transfer air, water and other fluids. Five layer construction ensures high resistance to sudden temperature changes, cyclic pressure and deformation. Chemical resistance to certain acids, bases, bleach and sea water combined with other properties of THERMOSOFT hose makes it a new alternative to several types of rubber hoses. Fittings and ferrules should be assembled after the hose is pre-heated for 30 seconds in hot water at +60°C.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-THERMOSOFT-13	13	22	15	90	75	0,31	25
TR-THERMOSOFT-16	16	25	15	90	90	0,36	25
TR-THERMOSOFT-19	19	28	15	90	105	0,41	25
TR-THERMOSOFT-25	25	34	15	78	130	0,51	25



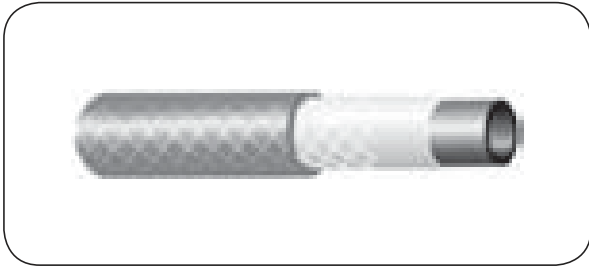
TECHNOBEL SOFT AS

Internal layer: White polyethylene
Reinforcement: Polyester cord, PVC layer
External layer: Blue PVC
Working temp.: From -15°C to +50°C

Characteristics: Delivery hose designed to transfer fluid chemicals (acids and bases in particular). Manufactured in accordance with FullSoft technology (special attention given to proportions while choosing the highest quality components, unique structure and modern production process) that guarantees a hose of increased flexibility and resistance to deformation while bending. A high-tech combination of polyethylene internal layer with FullSoft technology resulted in a product of incredible flexibility and extensive chemical resistance. Widely used in the chemical industry thanks to the qualities listed above and antistatic properties in compliance with EN ISO 8031 ($10^6 \Omega$).

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-TECHNOBELAS-13	13	19,5	20	60	70	0,21	25
TR-TECHNOBELAS-16	16	23,5	20	60	160	0,28	25
TR-TECHNOBELAS-20	20	27,5	20	60	200	0,35	25
TR-TECHNOBELAS-25	25	34,5	20	60	250	0,57	25

INDUSTRIAL HOSES - general purpose

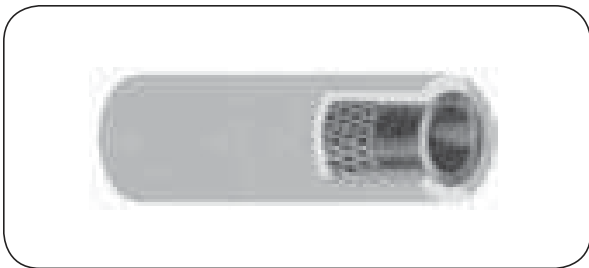


CHANTIER

Internal layer: Black PVC
Reinforcement: Polyester cord
External layer: Orange PVC
Working temp.: From -15°C to +60°C

Characteristics: General purpose, flexible, delivery hose used for water, air and slightly aggressive chemicals. Fluorescent external layer provides good visibility in limited lighting conditions. Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	bursting press. 20°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-CHANTIER-19	19	25,5	9	27	225	0,292	50



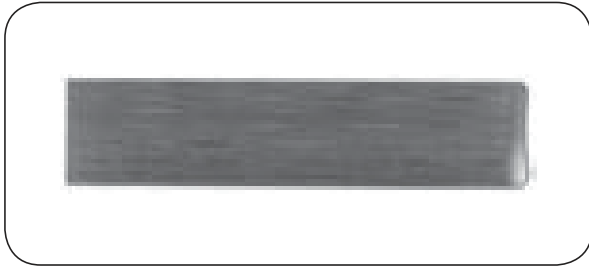
GORILLA

Internal layer: Black NBR rubber
Reinforcement: Aramid fibre braid
External layer: Special yellow Carbyn (C-NBR) rubber
Working temp.: From -40°C to +90°C

Characteristics: Top grade, highly flexible (with kink and torsion resistance) general purpose hose. Internal layer suitable for oil, fat, bases, air, kerosine, cold and hot water. External layer has excellent abrasion resistance and good resistance to animal fat and oil. External layer flame resistance meets MSHA 2G-14C/14 standards. High tensile strength and dimensional stability make the hose particularly suitable for hose reels.

code	I.D. [mm]	O.D. [mm]	bending radius [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
PR-GORILLA-10	10	19	80	34	134	0,19	152
PR-GORILLA-13	13	23	104	34	134	0,24	152
PR-GORILLA-16	16	27	130	34	134	0,33	152
PR-GORILLA-19	19	30	180	34	134	0,39	152
PR-GORILLA-25	25	38	200	34	134	0,58	152
PR-GORILLA-32	32	46	250	34	134	0,74	-
PR-GORILLA-38	38	52	300	34	134	0,86	-
PR-GORILLA-51	51	66	410	34	134	1,19	-

INDUSTRIAL HOSES - general purpose



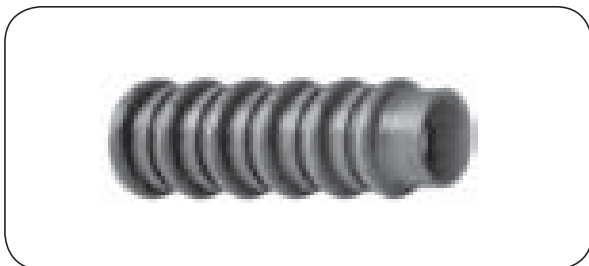
AGRIFLAT

Material: NBR/PVC compound pressed through the textile in an extrusion process. Black cover ribbed for good abrasion resistance and protection against contact with heat.

Working temp.: From - 20°C to +100°C

Characteristics: Lightweight and heavy duty delivery hose used for air and water. Resistant to oil, fuel, some acids, ozone and weather conditions. Space saving and easy to handle due to being flat when not used. Available upon request in lengths up to 200 meters.

code	I.D. [mm]	wall thickness [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	standard length [m]
BG-3070019000	19	2	23	30	75	20/100
BG-3070025000	25	2	29	30	75	20/100
BG-3070032000	32	2	36	20	50	20/100
BG-3070038000	38	2	42	20	50	20/100
BG-3070050000	52	2,2	56,4	20	50	20/100
BG-3070063000	65	2,2	69,4	20	50	20/100
BG-3070075000	76	2,5	81	20	50	20/100
BG-3070090000	90	2,8	95,6	20	50	20/100
BG-3070100100	102	2,8	107,6	20	50	20/100
BG-3070125100	127	3	133	16	40	20/100
BG-3070150000	152	3	158	14	35	20/50



TUBANO OIL

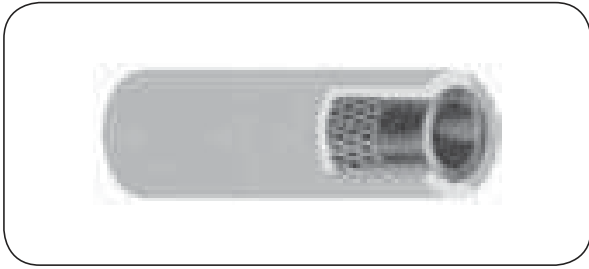
Material: Nitrile and polychloroprene rubber

Working temp.: From -40°C to +125°C

Characteristics: Hose used for cooling and heating installations, water, some acids and diluted alkalis. Resistant to high temperatures and ozone but with limited chemical resistance. Supplied in 1 meter pieces to enable easy cutting and fitting into an installation.

code	I.D. [mm]	extensibility [mm]	bending radius [mm]	working pressure [bar]	standard length [m]
EC-102111	20	20,0+25,0	70	1,5	1
EC-102112	25	25,0+31,0	85	1,5	1
EC-102113	31,5	31,5+36,0	105	1,5	1
EC-102114	33,5	33,5+38,0	110	1,5	1
EC-102115	37	37,0+44,0	115	1,5	1
EC-102116	44	44,0+48,0	120	1,5	1
EC-102117	48	48,0+55,0	125	1,5	1
EC-102118	55	55,0+65,0	130	1,5	1
EC-102119	65	65,0+75,0	140	1,5	1

INDUSTRIAL HOSES - general purpose

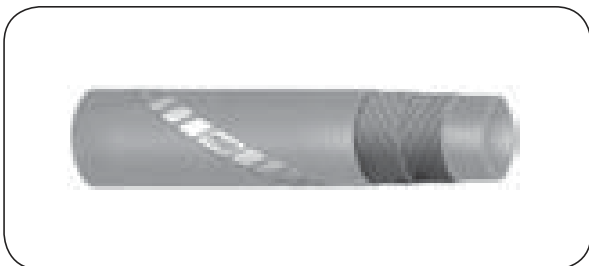


MP 20

Internal layer: Black, smooth EPDM compound
Reinforcement: Two or four textile cords
External layer: Black, smooth EPDM compound
Working temp.: From -40°C to +95°C
 (with peaks up to +110°C)

Characteristics: General purpose hose used for slightly aggressive chemicals, polyurethanes, epoxides, etc. It is suitable for paint (aqueous solvent based). It is not suitable for chlorine-rubber paint and aromatic solvents. Antistatic - $R < 10^6 \Omega$.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SP-MP20-06	6	13	20	80	72	0,13	100
SP-MP20-08	8	15	20	80	96	0,18	100
SP-MP20-10	10	17	20	80	120	0,21	100
SP-MP20-13	13	21	20	80	156	0,25	100
SP-MP20-16	16	24	20	80	192	0,31	100
SP-MP20-19	19	28	20	80	228	0,42	50
SP-MP20-25	25	35	20	80	300	0,61	50
SP-MP20-32	32	44	20	80	384	0,95	50
SP-MP20-38	38	50	20	80	456	1,19	50



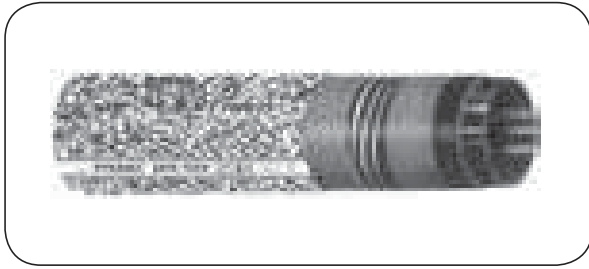
CONDITIONER®

Internal layer: White, smooth butyl rubber
Reinforcement: Synthetic cord
External layer: White butyl rubber
Working temp.: From -30°C to +110°C

Characteristics: Softwall hose designed for hot water and low temperature steam. Widely used in humidifiers as well as in air conditioning installations.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
IV-CONDITIONER-22	22	32	1	40	0,49	120
IV-CONDITIONER-30	30	40	1	40	0,64	120

INDUSTRIAL HOSES - general purpose

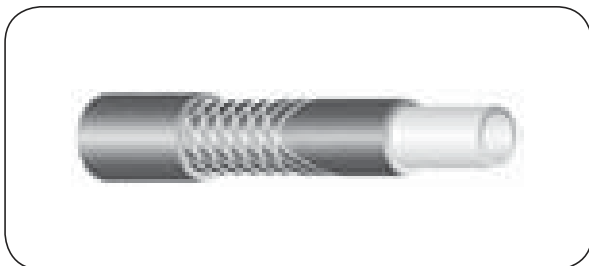


DYNAMIC SAFE-TECH

Internal layer: Black, mirror-like PFA (Alkoxy polymer)
Reinforcement: Synthetic cord
External layer: Smooth thermoplastic compound
Working temp.: From -40°C to +130°C

Characteristics: Suction and delivery hose designed to transfer flammable substances. Widely used in chemical, petrochemical, biotechnological, pharmaceutical and cosmetic industry. Antistatic - $R < 10^5 \Omega$, according to EN 12115 and FDA standards. Abrasion of external layer according to ISO 6945 and SAE J 20006.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
MT-DYNAMIC/ST-13	13	25	10	40	60	0,55	20
MT-DYNAMIC/ST-19	19	31	10	40	90	0,72	20
MT-DYNAMIC/ST-25	25	37	10	40	140	0,89	20
MT-DYNAMIC/ST-32	32	45	10	40	200	1,16	20
MT-DYNAMIC/ST-38	38	51	10	40	250	1,47	20
MT-DYNAMIC/ST-51	51	65,5	10	40	300	2,08	20



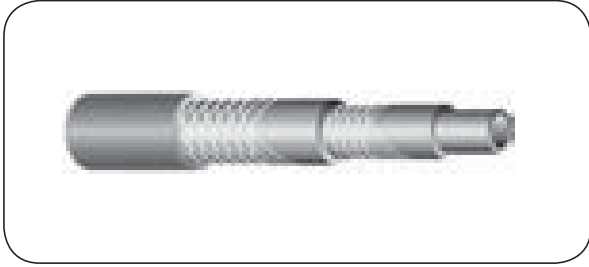
THERMOCLEAN AL 20

Internal layer: White, smooth PVC
Reinforcement: Synthetic cord
External layer: Blue, smooth PVC
Working temp.: From -15°C to +70°C

Characteristics: Flexible hose used for washing applications (cold and hot water) and slightly aggressive chemicals. External layer is resistant to animal and vegetable fats. THERMOCLEAN AL 20 is widely used in the food industry. Fittings and ferrules should be assembled after the hose is heated for 30 seconds in hot water (+60°C).

code	I.D. [mm]	O.D. [mm]	working pressure 20°C/70°C [bar]	bursting pressure 20°C/70°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-THERMOAL20-12	12	20	33/20	100/60	108	0,255	25
TR-THERMOAL20-16	16	24	33/20	100/60	144	0,322	25
TR-THERMOAL20-19	19	28	33/20	100/60	171	0,425	25

INDUSTRIAL HOSES - general purpose

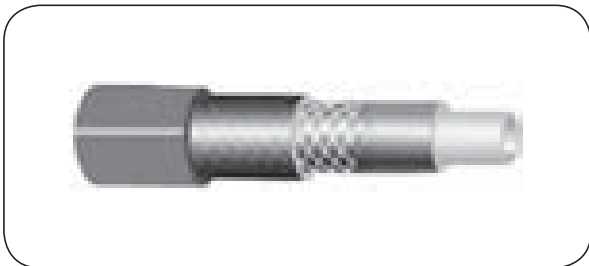


THERMOCLEAN 40

Internal layer: White, smooth PVC
Reinforcement: Double polyester cord
External layer: Blue, smooth PVC
Working temp.: From -10°C to +70°C
 (with peaks up to +80°C)

Characteristics: Flexible hose used for washing applications (cold and hot water) and slightly aggressive chemicals. External layer is resistant to animal and vegetable fats. THERMOCLEAN 40 is widely used in the food industry. Fittings and ferrules should be assembled after the hose is heated for 30 seconds in hot water (+60°C).

code	I.D. [mm]	O.D. [mm]	working pressure 20°C/70°C [bar]	bursting pressure 20°C/70°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-THERMO40-12	12	22	80/40	240/120	84	0,330	50



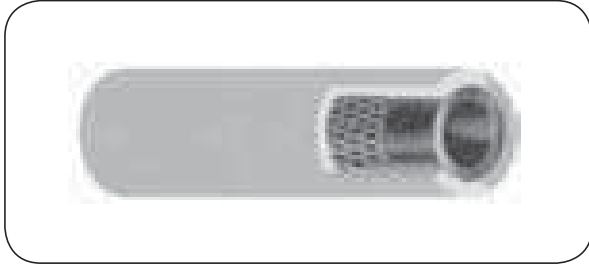
THERMOCLEAN 100

Internal layer: White, smooth PVC
Reinforcement: Polyester cord
External layer: Blue, smooth PVC
Working temp.: From -15°C to +100°C
 (with peaks up to +120°C)

Characteristics: Flexible hose used for washing applications (cold and hot water) and slightly aggressive chemicals. External layer is resistant to animal and vegetable fats. THERMOCLEAN 100 is widely used in the food industry. Fittings and ferrules should be assembled after the hose is heated for 30 seconds in hot water (+60°C).

code	I.D. [mm]	O.D. [mm]	working pressure 20°C/70°C [bar]	bursting pressure 20°C/70°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-THERMO100-013	13	22	30/15	90/45	80	0,305	40
TR-THERMO100-016	16	25	30/15	90/45	95	0,360	40
TR-THERMO100-019	19	28	30/15	90/45	115	0,410	40
TR-THERMO100-025	25	34	26/13	78/39	150	0,515	40

INDUSTRIAL HOSES - general purpose

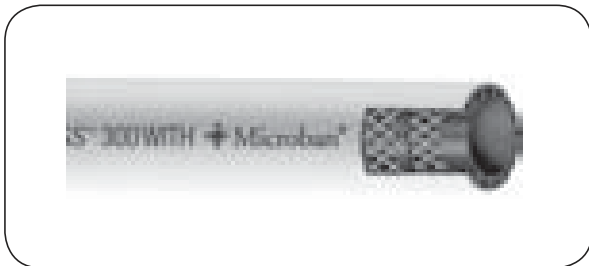


BLUE WINGFOOT 300

Internal layer: Black NBR rubber
Reinforcement: Synthetic cord
External layer: Blue P-NBR rubber
Working temp.: From -30°C to +90°C

Characteristics: Top grade (flexible, non-staining, kink and torsion resistant), general purpose hose used for a wide range of industrial applications such as: air, hot and cold water, oil, hydraulic fluids, slightly aggressive chemicals, diluted acids, cleaning fluids. Low elongation and high dimensional stability make the hose specially suited for hose reels. Electrical resistance >1 MΩ.

code	I.D. [mm]	O.D. [mm]	bending radius [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
PR-WINGB300-10	9,5	17,5	80	21	84	0,23	152
PR-WINGB300-13	12,7	21,5	100	21	84	0,32	152
PR-WINGB300-16	15,9	26	130	21	84	0,45	152
PR-WINGB300-19	19,1	30	160	21	84	0,60	152
PR-WINGB300-25	25,4	37	200	21	84	0,82	152



FORTRESS 300

Internal layer: White Chemigum compound
Reinforcement: Synthetic cord
External layer: Yellow Carbryn rubber cover with a Microban layer
Working temp.: From -29°C to +93°C

Characteristics: Top grade, flexible, non-staining, kink and torsion resistant hose. External layer inhibits growth of microorganism on the hose cover and due to that fact FORTRESS 300 is widely used for cleanup service in food-processing, cosmetic, pharmaceutical and many other plants.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
PR-FORT300-13	12,9	22,8	21	84	0,458	152
PR-FORT300-16	15,9	27,03	21	84	0,571	152
PR-FORT300-19	19,1	30,2	21	84	0,650	152
PR-FORT300-25	25,4	38,1	21	84	0,966	152

INDUSTRIAL HOSES - general purpose

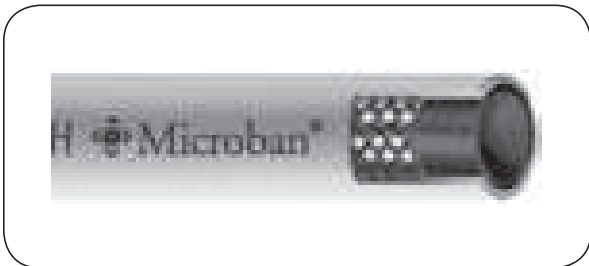


FORTRESS 1000

Internal layer: Black Chemigum compound
Reinforcement: Synthetic cord
External layer: Yellow Carbryn rubber cover with a Microban layer
Working temp.: From -29°C to +93°C

Characteristics: Top grade, flexible, non-staining, kink and torsion resistant hose. External layer inhibits growth of microorganism on the hose cover and due to that fact FORTRESS 1000 is widely used for cleanup service in food-processing, cosmetic, pharmaceutical and many other plants.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
PR-FORT1000-10	9,53	17,8	69	276	0,220	152
PR-FORT1000-13	12,7	21,8	69	276	0,290	152
PR-FORT1000-19	19,05	29,7	69	276	0,600	152



FORTRESS 3000

Internal layer: Black Chemigum compound
Reinforcement: Single steel braid
External layer: Yellow Carbryn rubber cover with a Microban layer
Working temp.: From -29°C to +93°C

Characteristics: Top grade, flexible, non-staining, kink and torsion resistant hose. External layer inhibits growth of microorganism on the hose cover and due to that fact FORTRESS 3000 is widely used for cleanup service in food-processing, cosmetic, pharmaceutical and many other plants.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
PR-FORT3000-06	6,35	13,5	206	824	0,230	152
PR-FORT3000-10	9,53	17,6	206	824	0,360	152
PR-FORT3000-13	12,7	20	206	824	0,480	152