

Polyurethane Hose, with Protection Against Welding Sparks

RECTUSPARK®

Technical Description

The blue ether based 95 durometer polyurethane inner tubing is offered in two metric sizes. It is covered with a specially formulated black flame retardant cover which has excellent tear and tensile strength, yet is resistant to oils, greases, acids, bases, aqueous solutions, ozone, UV light and heat aging. This cover has strong insulative properties and meets UL-94-VO specifications.

Advantages

Black flame retardant cover protects tubing from incidental contact with welding sparks. The cover does not adhere to the inner tube, allowing the jacket to be easily skived back for connection with conventional compression or push-in fittings.

- Extremely flexible with excellent bend radius capability
- Very resistant to kink damage
- Broad range of chemical resistance
- Good aging resistance for long service life

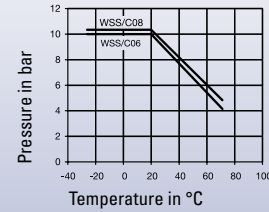
Technical Data

Temperature range:
-25°C up to +70°C
Max. working pressure:
8 bar (depending on used temperature)

All technical data refers to air applications. We will gladly assist you for other media.



Relation Working Pressure / Temperature (only for hoses, not for the fittings!)



PVC Inner Braided Hose

RECTUSOFT



Technical Description

The new generation of highly flexible RECTUS hoses consists of a textile-reinforced, 3-ply PVC hose with a smooth inner tube, polyester thread insert and abrasion-proof outer covering.

Advantages

Low weight, very high flexibility, highly resistant, high resistance to pressure, UV-resistant, long service life, shock and tread-resistant, non-buckling, manufacturer's imprint with technical specifications.

Technical Data

Working temperature:
-25°C up to +60°C

Maximum operating pressure:
at +23°C: 15 bar

Bursting pressure:
at +23°C: 63 bar

Color: light blue



Straight

Nycoil RECTUSPARK

	Inside x Outside Ø mm	Protective Jacket Ø mm	Coil Outside Diameter mm	Working Length	Part Number	DS
	4,0 x 6,0	8		25 m	WSS06/025/01	■
	5,0 x 8,0	10		25 m	WSS08/025/01	■

Coiled

Nycoil RECTUSPARK

	Inside x Outside Ø mm	Protective Jacket Ø mm	Coil Outside Diameter mm	Working Length	Part Number	DS
	4,0 x 6,0	8	60	2,5 m	WSC06/025/01	■
				6,0 m	WSC06/060/01	■
				7,5 m	WSC06/075/01	■
	5,0 x 8,0	10	75	2,5 m	WSC08/025/01	■
				6,0 m	WSC08/060/01	■
				7,5 m	WSC08/075/01	■

DS = Delivery Status: ■ in stock □ on short call □ medium term delivery

Straight

Nycoil RECTUSOFT

	Inside x Outside Ø mm	Coil Outside Diameter mm	Package Unit	Part Number	DS
	6,3 x 11,0	45	50 m	PVC06/050/03	■
	9,0 x 14,5	63	50 m	PVC09/050/03	■
	12,7 x 19,0	89	50 m	PVC12/050/03	■

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RECTUCHEM®

Technical Description
 PVDF tubing resists a broad range of chemicals, and its low permeability, out-gassing and extractable properties make it ideal for ultrapure applications. Unlike PTFE, PVDF withstands radiation and has excellent mechanical properties that resist creep and cold flow, while offering significant cost savings.

Special physical features
 - Complies with USP Class VI Standards
 - Acceptable for USDA
 - Meets FDA Requirements and UL 94 V-0 (Flame Retardant Requirements)
 - Odorless & Tasteless
 - Sterilizable by Gamma Radiation, Autoclave or Ozones
 - Acceptable for 3-A Sanitary Standards for Dairy Equipment

Typical Chemical Applications:
 Pesticides, petrochemical, wastewater treatment, pulp and paper bleaching operations

Chemical Resistance:
 Oxidants, radiation, ultraviolet radiation, acids, alcohol, aliphatic, aromatics, mild basis, chloride, halogens, fungus, out-gassing

Technical Data
 Temperature Range: -40°C up to +120°C

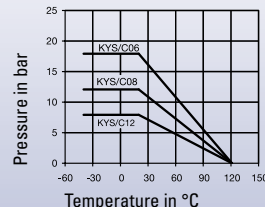
Maximum Operating Pressure: see chart

Color: opak

All technical data refers to air applications. We will gladly assist you for other media.

Useable with PVDF couplings 21 series + 48 series. (Page 232)

Relation Working Pressure / Temperature
 (only for hoses, not for fittings!)



Straight

Nycoil RECTUCHEM

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number	DS
	4,0 x 6,0		25 m	KYS06/025/00	■
	6,0 x 8,0		25 m	KYS08/025/00	■
	10,0 x 12,0		25 m	KYS12/025/00	■

Coiled

Nycoil RECTUCHEM

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number	DS
	4,0 x 6,0	40	2,5 m	KYC06/025/00	■
			6,0 m	KYC06/060/00	■
	6,0 x 8,0	65	2,5 m	KYC08/025/00	■
			6,0 m	KYC08/060/00	■
	9,0 x 12,0	140	2,5 m	KYC12/025/00	■
			6,0 m	KYC12/060/00	■

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Accessories

Hose Cutter

Nycoil Accessories

	L	L1	Part Number	DS
 (up to outside Diameter 14 mm)	79	25	RP 71-00	■

Swivelling Spring Guard

Nycoil Accessories

	Connection mm	Hex	Length	Material	Part Number	DS
	R 1/8 3,0 x 5,0	11		Brass	DV 10/05	■
	R 1/4 4,0 x 6,0	14		Brass	DV 13/06	■
	R 1/4 6,0 x 8,0	14		Brass	DV 13/08	■
	R 1/4 8,0 x 10,0	15		Brass	DV 13/10	■
	R 3/8 9,0 x 12,0	19		Brass	DV 17/12	■
	R 1/2 13,0 x 16,0	22		Brass	DV 21/16	■

Fixed Spring Guard

Nycoil Accessories

	Connection mm	Hex	Length	Material	Part Number	DS
 with spring guard * inner cone 45°	M5 4,0 x 6,0	8	103	Brass	SV 05/06	■
	G 1/8 4,0 x 6,0	12	103	Brass	SV 10/06	■
	G 1/8 6,0 x 8,0	12	106	Brass	SV 10/08	■
	G 1/4 4,0 x 6,0	17	103	Brass	SV 13/06	■
	G 1/4 6,0 x 8,0	17	106	Brass	SV 13/08	■
	G 1/4 8,0 x 10,0	17	119	Brass	SV 13/10	■
	G 1/4 9,0 x 12,0	17	123	Brass	SV 13/12	■
	G 3/8 6,0 x 8,0*	19	106	Brass	SV 17/08	■
	G 3/8 8,0 x 10,0*	19	119	Brass	SV 17/10	■
	G 3/8 9,0 x 12,0*	19	123	Brass	SV 17/12	■

Reusable Swivel Fittings


Nycoil Accessories

	Connection mm	for PU Hose	Part Number	DS	
	G 1/4	PU 08	PV 13/08	■	
		PU 10	PV 13/10	■	
	G 3/8	PU 12	PV 17/12	■	
		PU 15	PV 17/15	■	

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Worm Drive Hose Clips

Accessories

	Spread	Height	Part Number	DS
	10 - 16 mm	8 mm	KA 1016	■
	12 - 22 mm	8 mm	KA 1222	■
	16 - 27 mm	8 mm	KA 1627	■
	23 - 35 mm	9 mm	KA 2335	■
	30 - 45 mm	9 mm	KA 3045	■
	32 - 50 mm	12 mm	KA 3250	■
	40 - 60 mm	12 mm	KA 4060	■
	50 - 70 mm	12 mm	KA 5070	■
	60 - 80 mm	12 mm	KA 6080	■


,O'-Clips

Accessories

	Spread	Height	Part Number	DS
 Steel, chromatized	5 - 7 mm	6 mm	KB 0507	■
	7 - 9 mm	7 mm	KB 0709	■
	9 - 11 mm	7 mm	KB 0911	■
	11 - 13 mm	7 mm	KB 1113	■
	13 - 15 mm	7,5 mm	KB 1315	■
	15 - 18 mm	8 mm	KB 1518	■
	17 - 20 mm	8,5 mm	KB 1720	■
	20 - 23 mm	9 mm	KB 2023	■
	25 - 28 mm	10 mm	KB 2528	■
	28 - 31 mm	10 mm	KB 2831	■
	31 - 34 mm	10 mm	KB 3134	■
	34 - 37 mm	10 mm	KB 3437	■
	37 - 40 mm	10 mm	KB 3740	■
	40 - 43 mm	10 mm	KB 4043	■
	43 - 46 mm	10 mm	KB 4346	■

Hose Drum

Accessories

	Description	Connection	Working Length	Working Pressure	Part Number	DS
	- PU-Hose (9,0 x 14,5), black	25KA Series	15 m	15 bar	DST 915-25	■
	- Casing made of polypropylene					
	- no mechanical guidance					
	- Completely assembled with coupling and plug 25 series					
	- CE-certified					

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Nothing goes without air.



NYCOIL is a RECTUS Group brand

