

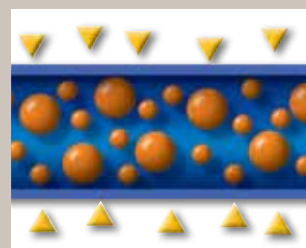
Nycoil

Hoses and tubing range

Always ideally connected.

Media

All liquid or gaseous media which flow through the hose or influence it from outside must be taken into account when choosing the hose. Chemicals can have detrimental effects (swelling, stress-cracking, etc.) on the hose materials. A prior test is therefore important. Your technical advisor will be happy to help you. For non-standard requirements, we advise you to test the hoses under operating conditions. In this way you can ensure that there are no adverse effects on the hose strength arising from extreme temperatures or chemical mixtures and the concentration thereof.



Flexibility

All thermoplastic materials are flexible up to a certain degree. Depending on the type, our hoses can therefore be used for a wide range of tasks. Ultraflexible hoses are suitable for applications with small bend radii and a high degree of movement. For example, relatively rigid or stronger tubing is the better choice for static applications with little movement but higher working pressures are required.



Flow

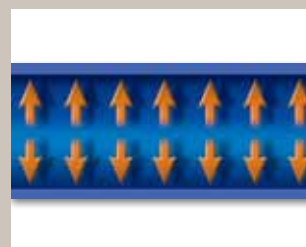
The flow quantity required by the attached consumer is an important criterion for hose selection. The appropriate choice of hose cross-section for the medium and flow volume is dependent on this.

As a rule of thumb: the flow rate of the hose must always be greater than the flow rate of all consumers in the circuit.



Working Pressure

From the established bursting pressure at room temperature (20°C), integration of a working pressure safety factor can be calculated. For the max. working pressure, all criteria affecting the hose when in use must be observed. The most important criteria include overload through bending and stretching, and hose fatigue caused by use, as well as maintenance of extruder tolerances and production variables. Nycoil works with the highest grade polymer materials and to the latest production standards. In order to guarantee the high standard of quality, all relevant parameters and hose characteristics are checked both during and after the production process.





Working temperature

The working temperature, i.e. the temperature range in which the hose is used, is also a major factor in hose selection. A point to note is that the burst pressure – and therefore also the safe working pressure – falls significantly as temperatures rise.

Space-Saving Storage

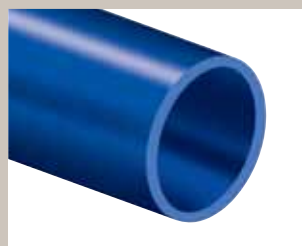
Our straight hoses are rolled, packed on cardboard holders, and delivered in boxes – for space-saving storage and quick materials access.



Our hose qualities at a glance.

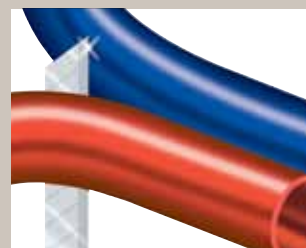
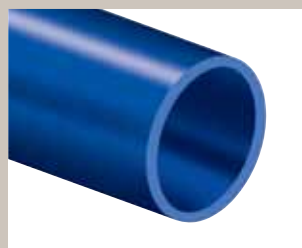
RECTULASTIC Nylon 12 (Polyamid)

Straight hoses or coiled hoses; multicolored dual and quadruple; unprecedented return force; small twists and therefore requires minimum space; light weight; resistant to organic and inorganic materials.



RECTUFLEX Polyurethan

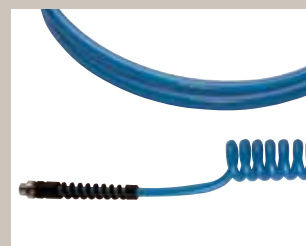
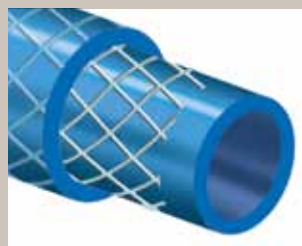
Straight hoses or coiled hoses; multicolored dual and quadruple; extremely flexible; resistant to buckling; no change in cross-section; max. working length equal to 80% of stretch length; coiled hoses are supplied with swivel fittings and buckling protection on both ends.



SUPERBRAID®

Polyurethane Inner Braided Hose

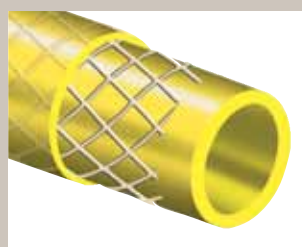
Straight hoses or coiled hoses; as flexible as the conventional PU hose – from -40°C to +75°C – even with fabric inlay; extremely small twist diameter; coiled hoses are supplied with pre-assembled swivel fittings and buckling protection.



ULTRA-LITE SUPERBRAID®

Polyurethane Inner Braided Hose

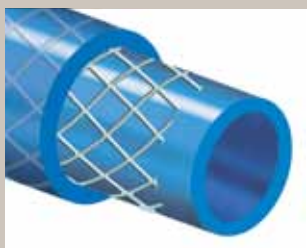
Straight hoses; fittings for easy self-assembly; much lighter than the SUPERBRAID® hose and therefore even more flexible and easy to use; highly resistant to temperature (-40°C to +75°C); extremely small twist diameter.





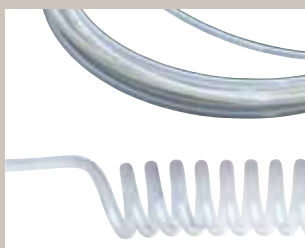
RECTUSPARK® Polyurethane on Polyester Basis, with Protection against Welding Sparks

Straight hoses or coiled hoses; the non-flammable coating provides the hose with reliable protection against welding sparks; extremely flexible, pliable and resistant to buckling and ideally suited to harsh industrial applications.



RECTUSOFT Highly Flexible PVC, with Polyester Fibre Reinforcement (TÜV-tested)

Straight hoses or coiled hoses; extremely flexible, even at ultra-low temperatures; highly resistant to tears and pressure; light weight and easy operation makes this hose ideal for operating compressed air tools.



RECTUCHEM® PVDF

Straight hoses or coiled hoses; the perfect solution for chemical technology, especially clean applications; structurally resistant to many chemicals and therefore useful in a broad range of applications.

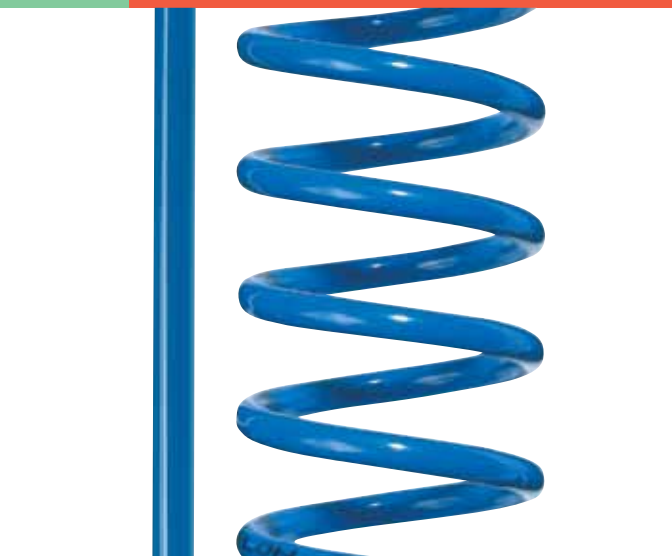
Fittings

Many hoses are available completely assembled with different fittings. Please check article description.

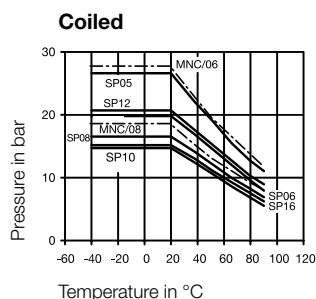
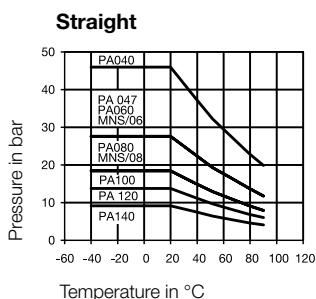




RECTULASTIC



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



Technical Description

RECTULASTIC hoses from Nycoil for safer, more efficient air power transmission.

Special Physical Features

- Light weight (specific weight 9x lower as copper)
- Wide temperature range
- High resistance against moisture
- Saltwater insensitive
- Long service time
- Highly elasticity

Mechanical Features

- High vibration prevention
- Perfect abrasion resistance
- High compression characteristics
- Low flow reduction for all kind of media
- Precise tolerances
- Constant solidity
- Resists kinking

Applications

- Compressed air
- lubrication grease/oil
- gasoline
- hydraulic
- vacuum
- chemicals (on request)

Advantages

- Quick assembly possible
- Straight hoses ideal for Push-In-System
- Light weight
- Low pressure drop
- Different colors for identification
- Good storage possibility due to box packing (straight hoses)
- High abrasion resistance
- Self-retracting. Coiled Hose automatically recoils to a fraction of its working length
- Small bending diameter
- Resistant to oil, gasoline, grease and abrasion

Technical Data

Temperature range:
-40°C up to +90°C
Maximum operating pressure:
see chart

Tubing assembled:
-20°C up to +70°C

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

Straight

Nycoil RECTULASTIC

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number Blue	Part Number Red
	2,0 x 4,0		25 m	PA040/025/03	PA040/025/02
			50 m	PA040/050/03	PA040/050/02
			100 m	PA040/100/03	PA040/100/02
	2,7 x 4,0		25 m	PA047/025/03	PA047/025/02
			50 m	PA047/050/03	PA047/050/02
			100 m	PA047/100/03	PA047/100/02
	4,0 x 6,0		25 m	PA060/025/03	PA060/025/02
			50 m	PA060/050/03	PA060/050/02
			100 m	PA060/100/03	PA060/100/02
	6,0 x 8,0		25 m	PA080/025/03	PA080/025/02
			50 m	PA080/050/03	PA080/050/02
			100 m	PA080/100/03	PA080/100/02
	8,0 x 10,0		25 m	PA100/025/03	PA100/025/02
	9,5 x 12,0		25 m	PA120/025/03	PA120/025/02
	12,0 x 14,0		25 m	PA140/025/03	PA140/025/02

Hoses in black or transparent available on request.



Inside x Outside Ø mm	Coil Outside Diameter mm	Max. Working Length	Approx. Coils	Part Number
3,1 x 4,7	38	2,5 m	36	SP 05/025
		5,0 m	72	SP 05/050
		7,5 m	108	SP 05/075
		10,0 m	144	SP 05/100
4,8 x 6,3	75	2,5 m	15	SP 06/025
		5,0 m	30	SP 06/050
		7,5 m	45	SP 06/075
		10,0 m	60	SP 06/100
		15,0 m	90	SP 06/150
6,3 x 7,9	75	2,5 m	15	SP 08/025
		5,0 m	30	SP 08/050
		7,5 m	45	SP 08/075
		10,0 m	60	SP 08/100
		15,0 m	90	SP 08/150
7,9 x 9,5	115	2,5 m	10	SP 10/025
		5,0 m	20	SP 10/050
		7,5 m	30	SP 10/075
		10,0 m	40	SP 10/100
		15,0 m	60	SP 10/150
9,5 x 11,8	140	2,5 m	8	SP 12/025
		5,0 m	15	SP 12/050
		7,5 m	23	SP 12/075
		10,0 m	31	SP 12/100
		15,0 m	46	SP 12/150
12,7 x 15,8	220	2,5 m	70	SP 12/225
		5,0 m	10	SP 16/050
		7,5 m	15	SP 16/075
		10,0 m	20	SP 16/100
		15,0 m	30	SP 16/150
		22,5 m	56	SP 16/225

Completely assembled with Swivel Fittings

Nycoil RECTULASTIC



with swivel fittings
and spring guards (Type DV)

Inside x Outside Ø mm	Coil Outside Diameter mm	Max. Working Length	Approx. Coils	Part Number
3,1 x 4,7 R1/8	38	2,5 m	36	SP 05/025/DV
		5,0 m	72	SP 05/050/DV
		7,5 m	108	SP 05/075/DV
		10,0 m	144	SP 05/100/DV
4,8 x 6,3 R1/4	75	2,5 m	15	SP 06/025/DV
		5,0 m	30	SP 06/050/DV
		7,5 m	45	SP 06/075/DV
		10,0 m	60	SP 06/100/DV
		15,0 m	90	SP 06/150/DV
		22,5 m	140	SP 06/225/DV
6,3 x 7,9 R1/4	75	2,5 m	15	SP 08/025/DV
		5,0 m	30	SP 08/050/DV
		7,5 m	45	SP 08/075/DV
		10,0 m	60	SP 08/100/DV
		15,0 m	90	SP 08/150/DV
		22,5 m	135	SP 08/225/DV
7,9 x 9,5 R 1/4	115	2,5 m	10	SP 10/025/DV
		5,0 m	20	SP 10/050/DV
		7,5 m	30	SP 10/075/DV
		10,0 m	40	SP 10/100/DV
		15,0 m	60	SP 10/150/DV
		22,5 m	90	SP 10/225/DV
9,5 x 11,8 R3/8	140	2,5 m	8	SP 12/025/DV
		5,0 m	15	SP 12/050/DV
		7,5 m	23	SP 12/075/DV
		10,0 m	31	SP 12/100/DV
		15,0 m	46	SP 12/150/DV
		22,5 m	70	SP 12/225/DV
12,7 x 15,8 R1/2	220	5,0 m	10	SP 16/050/DV
		7,5 m	15	SP 16/075/DV
		10,0 m	20	SP 16/100/DV
		15,0 m	30	SP 16/150/DV
		22,5 m	47	SP 16/225/DV

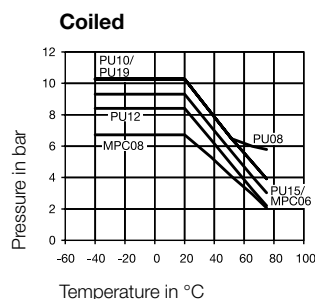
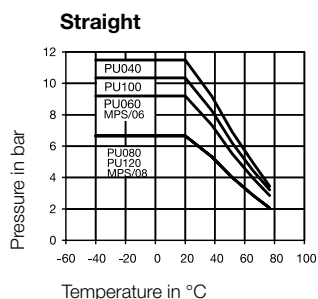


with 26 series
coupling and plug
with spring guards

Inside x Outside Ø mm	Coil Outside Diameter mm	Max. Working Length	Approx. Coils	Part Number	
6,3 x 7,9	75	2,5 m	15	SP 08/025/K+S	
		5,0 m	30	SP 08/050/K+S	
		7,5 m	45	SP 08/075/K+S	
		10,0 m	60	SP 08/100/K+S	
		15,0 m	90	SP 08/150/K+S	
		22,5 m	135	SP 08/225/K+S	
7,9 x 9,5	115	2,5 m	10	SP 10/025/K+S	
		5,0 m	20	SP 10/050/K+S	
		7,5 m	30	SP 10/075/K+S	
		10,0 m	40	SP 10/100/K+S	
		15,0 m	60	SP 10/150/K+S	
		22,5 m	90	SP 10/225/K+S	
9,5 x 11,8	140	2,5 m	8	SP 12/025/K+S	
		5,0 m	15	SP 12/050/K+S	
		7,5 m	23	SP 12/075/K+S	
		10,0 m	31	SP 12/100/K+S	
		15,0 m	46	SP 12/150/K+S	
		22,5 m	70	SP 12/225/K+S	



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



Technical Description

Nycoil polyurethane hose was developed to eliminate the two most common limitations of nylon self-storing hoses, kinking and abrasion resistance. This lightweight, yet extremely durable hose is ideal for use in tough work areas or highly mobile applications.

Special Physical Features

- Light weight (specific weight 9x lower as copper)
- Wide temperature range
- High resistance against moisture
- Saltwater insensitive
- Long service

Mechanical Features

- High vibration prevention
- Perfect abrasion resistance
- High compression characteristics
- Low flow reduction for all kind of media
- Constant solidity

Applications

- Compressed Air
- Lubrication grease/oil
- Gasoline
- Hydraulics
- Vacuum
- Chemicals (on request)
- Food and beverage (on request)

Advantages

- Quick assembly possible
- Light weight
- Low pressure drop
- Different colors for identification
- Good storage possibility due to box packing (straight hoses)
- High abrasion resistance
- Very small bending radius and tight coil diameter economizes on work and storage space
- Working length is 80% of total hose length
- 25 % lighter than rubber
- Specially developed swivel fittings offer lowest possible air flow restrictions
- Superior elasticity and coil memory

Technical Data

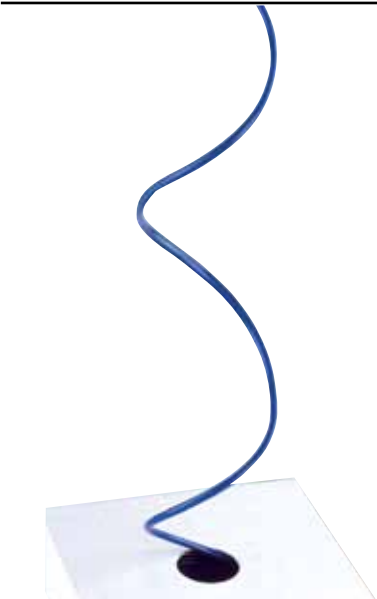
Temperature range:
-40°C up to +75°C
Assembled: -20°C up to +70°C

Maximum operating pressure:
see chart
Durometer 95 shore A

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



Straight

Nycoil RECTUFLEX


	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number Blue*	Part Number Red*
	2,5 x 4,0		25 m	PU040/025/03	PU040/025/02
			50 m	PU040/050/03	PU040/050/02
			100 m	PU040/100/03	PU040/100/02
	4,0 x 6,0		25 m	PU060/025/03	PU060/025/02
			50 m	PU060/050/03	PU060/050/02
			100 m	PU060/100/03	PU060/100/02
	6,0 x 8,0		25 m	PU080/025/03	PU080/025/02
			50 m	PU080/050/03	PU080/050/02
			100 m	PU080/100/03	PU080/100/02
	6,5 x 10,0		25 m	PU100/025/03	PU100/025/02
	9,0 x 12,0		25 m	PU120/025/03	PU120/025/02

*Hoses in black or transparent available on request.


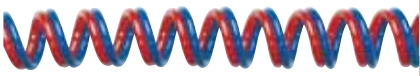
Multicolor straight**Nycoil RECTUFLEX**

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number 2-color	Part-Number 4-color	
	4,0 x 6,0		25 m	MPS02/06/025	MPS04/06/025	
	6,0 x 8,0		25 m	MPS02/08/025	MPS04/08/025	

Completely assembled**Nycoil RECTUFLEX**

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Connection	Part Number	
	5,0 x 8,0	40	2,0 m	G 1/4	PU08/020/DV	
			3,0 m		PU08/030/DV	
			4,0 m		PU08/040/DV	
			6,0 m		PU08/060/DV	
			7,5 m		PU08/075/DV	
	6,3 x 9,5	60	2,0 m	G 1/4	PU10/020/DV	
			3,0 m		PU10/030/DV	
			4,0 m		PU10/040/DV	
			6,0 m		PU10/060/DV	
			7,5 m		PU10/075/DV	
	8,0 x 12,0	80	3,0 m	G 3/8	PU12/030/DV	
			4,0 m		PU12/040/DV	
			6,0 m		PU12/060/DV	
			7,5 m		PU12/075/DV	
	9,5 x 15,0	110	3,0 m	G 3/8	PU15/030/DV	
			4,0 m		PU15/040/DV	
			6,0 m		PU15/060/DV	
			7,5 m		PU15/075/DV	
	12,0 x 19,0	110	6,0 m	R 1/2	PU19/060/DV	
			7,5 m		PU19/075/DV	

Multicolor coiled**Nycoil RECTUFLEX**

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number 2-color	Part-Number 4-color	
	4,0 x 6,0	60	2,5 m	MPC02/06/025	MPC04/06/025	
			6,0 m	MPC02/06/060	MPC04/06/060	
			7,5 m	MPC02/06/075	MPC04/06/075	
	6,0 x 8,0	60	2,5 m	MPC02/08/025	MPC04/08/025	
			6,0 m	MPC02/08/060	MPC04/08/060	
			7,5 m	MPC02/08/075	MPC04/08/075	

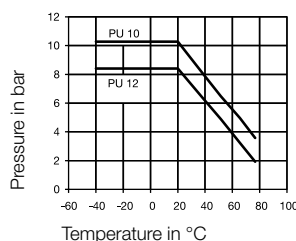


Polyurethane Hose with Straight Extension

RECTUFLEX

Relation Working Pressure / Temperature

(only for hoses, not for the fittings!)



Description

The extremely elastic Nycoil polyurethane hose with straight extension (100 mm at the connecting end, coils in various lengths, 2000 mm at the tool connection end) has the same favourable properties as our conventional coiled hoses: high shape recovery, low looping tendency, higher abrasion resistance, outstanding stability with very low empty weight. In addition, the straight extensions guarantee more freedom of movement and easier handling in the hard working process.

Advantages

- Extremely flexible – resists kinking
- Impervious to abrasions, heat and oil
- Specially developed swivel fittings offer lowest possible air flow restrictions
- Specially designed retainer sleeve also provides strain relief
- Superior elasticity and coil memory

- Working length is 80% of total hose length
- Very small bending radius and tight coil diameter economizes on work and storage space
- 25% lighter than rubber – easy handling
- Highly resistant to wear – five times the life of rubber
- Low tension – easy to work with
- Eases user fatigue
- Swivel fittings nickel plated
- Greater freedom of movement and easy handling through straight extensions at both ends
- Easy do-it-yourself assembly of couplings, plugs or fixed screw connections (on request with protective sleeve)

Applications

- Pneumatic control
- Air tools
- Assembly workstations
- Laboratories
- Electronic assemblies
- Robotics
- Machine tools
- Instrumentation
- Automobile Industry

Technical Data

Temperature range:
Hose: -40°C up to +75°C
Assembled: -20°C up to +70°C
Maximum operating pressure: see chart
Durometer 95 shore A
Color: blue

Other colors available on request.

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

Polyurethane Hose with Straight Extension

Nycoil RECTUFLEX

	Inside x Outside Ø mm	Nominal Outside Diameter mm	3 m* Part Number	6 m* Part Number	7,5 m* Part Number
	6,3 x 9,5	60	PU 10/230	PU 10/260	PU 10/275
	8,0 x 12,0	80	PU 12/230	PU 12/260	PU 12/275

Fittings

	Easy do-it-yourself assembly for coupling and plug 25 Series for PU 10 and PU 12 hoses	Part Number
	coupling and spring guard for PU 10	25KAKU10 SPN
	coupling and spring guard for PU 12	25KAKU12 SPN
	plug and spring guard for PU 10	26SFKU10 MXN
	plug and spring guard for PU 12	26SFKU12 MXN
	fixed screw connection and spring guard for PU 10	SV17/10 AN
	fixed screw connection and spring guard for PU 12	SV17/12 AN
	protective sleeve (black)	T1300-351 BK



Straight extension

The straight hose extensions attached to the coils optimise the handling of the complete hose unit and offer the user more freedom of movement in the working process. It combines the advantages of the straight hose connection on the tool with the high level of elasticity of the coil system.



Bend protection

Couplings and nipples are supplied with plastic bend protection – this provides lasting protection against the hose snapping.



Easy do-it-yourself assembly

Thanks to the highly user-friendly design of the connecting technology, you can assemble the couplings, plugs or fitting connections yourself in no time. You automatically have maximum flexibility and save time and costs.



Protective sleeve

After assembly of the connecting material, a protective sleeve (flush with the front side of the coupling) can be pushed on to prevent metal parts from scratching sensitive surfaces.

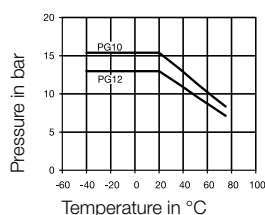


SUPERBRAID®



Relation Working Pressure / Temperature

(only for hoses, not for the fittings!)



Technical Description

Superbraid polyurethane recoil hose is extruded with an inner braid for additional strength. This „integral piece“ process eliminates the need of bonding individual layers of hoses, braiding and cover which tend to separate overtime due to bending, flexing and pulsating. Superbraid combines the durability of bulkier hoses with the kink resistance and elasticity of polyurethane to make a tough, long lasting hose that is user friendly. Superbraid can be used with either our barb and sleeve fittings or reusable polyurethane fittings.

Technical Data

Temperature range:
-40°C up to +75°C

Maximum operating pressure:
see chart

Durometer: 85 shore A

Color: light blue transparent

Advantages

- Same flexibility as a polyurethane hose
- Usable at 15 bar (safety factor of 4 to 1)
- Flexible even at -40°C
- Highly kinking resistant; virtually undamaged by twisting or crushing
- Extremely flexible and easy to use; minimizes worker fatigue
- Superior elasticity and coil memory
- Excellent abrasion resistance; 6 to 10 times better than rubber or nylon
- Factory applied thread sealant supplied on male swivel fitting
- Very small bending radius and tight coil diameter economizes on work and storage space
- Both fittings nickel plated

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

Straight

Nycoil SUPERBRAID

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Connection	Part Number
	6,3 x 9,5		25 m		PG10/025
	7,9 x 11,7		25 m		PG12/025

Coiled

Nycoil SUPERBRAID

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Connection	Part Number
	6,3 x 9,5	42	3,0 m	G 1/4	PG 10/030/DV
			6,0 m		PG 10/060/DV
			7,5 m		PG 10/075/DV
	7,9 x 11,7	55	3,0 m	G 3/8	PG 12/030/DV
			6,0 m		PG 12/060/DV
			7,5 m		PG 12/075/DV

assembled with nickel plated swivel fittings on both ends

**Technical Description**

Thanks to the special production techniques, this hose keeps what it promises, even after frequent use and under extreme conditions. Ultra-Lite is made of polyurethane which is reinforced by a hose braid made of Dacron Polyester. Unlike conventional 3-layer textile hoses where the individual layers are not permanently bonded to each other, our Nycoil Ultra-Lite is specially made. The hose is heated and the different layers, textile and PU, melt to form a permanent bond with each other. Thanks to this process, the Ultra-Lite is extremely flexible and, above all, extremely durable. Its high level of flexibility and low weight make for easy handling. The Ultra-Lite retains its properties down to temperatures as low as -40°C.

Advantages

- Approx. 20% lighter than comparable hoses
- Further weight reduction through production of threaded couplings and hose nuts in light aluminium
- This allows us to reduce the total weight of the hose system, with all advantages of easy hose handling
- Extremely flexible even down to -40°C
- Anti-kink
- Highly temperature-resistant
- Easy do-it-yourself assembly of couplings, plugs or fixed screw connections from various Rectus series (available with protective sleeve on request)

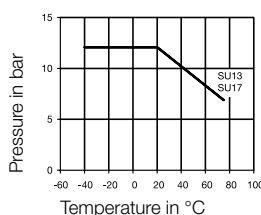
Technical Data


Temperature range:
-40°C up to +75°C
Maximum operating pressure:
see chart
Color: yellow

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!)

**Straight****Nycoil ULTRA-LITE SUPERBRAID**

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Weight	Part Number
	9,5 x 13,0		25 m	75 g/m	SU13/025/05
	12,7 x 17,4		25 m	127 g/m	SU17/025/05

Fittings for Hose SU13**Nycoil ULTRA-LITE SUPERBRAID**

For matching protective sleeves for the protection of the surfaces please refer to Page 350

	Series	Flow at 6 bar (Pressure drop 0.5 bar)	Weight	Part Number
	Coupling 1600 Series	2100 l/min	100 g	1600 KAKU13 SPN
	Coupling 31 Series	1060 l/min	90 g	31 KAKU13 SPN
	Coupling 1400 Series	960 l/min	90 g	1400 KAKU13 SPN
	Plug 26 Series (1600)		50 g	26 SFKU13 MXN
	Plug 31 Series		55 g	31 SFKU13 MXN
	Plug 23 Series (1400)		55 g	23 SFKU13 MXN
	fixed screw connection G 3/8 o.		50 g	SV 17/13 AN
	f. screw con. for hose SU17, G 1/2 o.		60 g	SV 21/17 AN

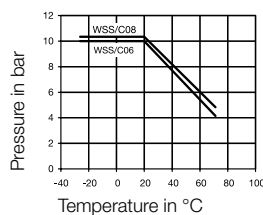


RECTUSPARK®



Relation Working Pressure / Temperature

(only for hoses, not for the fittings!)



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.


Straight

Nycoil RECTUSPARK

	Inside x Outside Ø mm	Protective Jacket Ø mm	Coil Outside Diameter mm	Working Length	Part Number
	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
	4,0 x 6,0	8	60	6,0 m	WSC06/060/01
				7,5 m	WSC06/075/01

**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

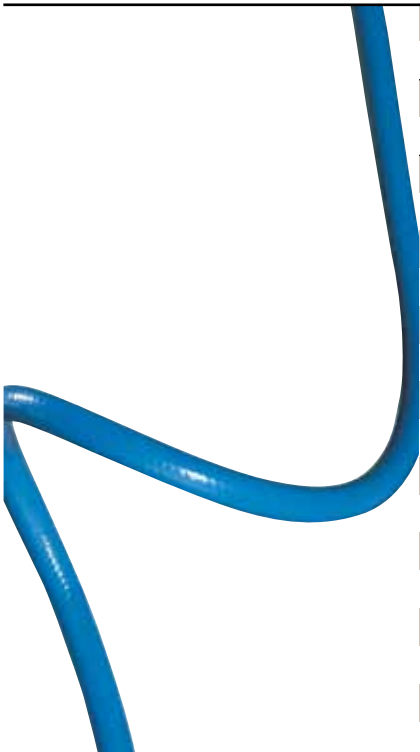
Working temperature:
-25°C up to +60°C

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

Bursting pressure:
at +23°C: 63 bar

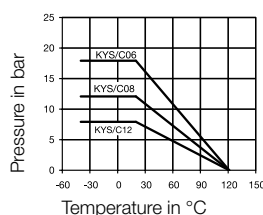
Color: light blue

**Straight****Nycoil RECTUSOFT**

	Inside x Outside Ø mm	Coil Outside Diameter mm	Package Unit	Part Number	
	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	



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



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-O (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)

Straight

Nycoil RECTUCHEM

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number
	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
	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

Hose Accessories


Accessories

Hoses / Tubing

Low Pressure


Hose Cutter

Nycoil Accessories

	L	L1	Part Number	
 <p>(up to outside Diameter 14 mm)</p>	79	25	RP 71-00	

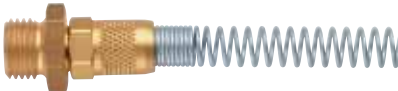
Swivelling Spring Guard

Nycoil Accessories

	Connection mm	Hex	Length	Material	Part Number	
	R 1/8 3,1 x 4,7	11		Brass	DV 10/05	
	R 1/4 4,8 x 6,3	14		Brass	DV 13/06	
	R 1/4 6,3 x 7,9	14		Brass	DV 13/08	
	R 1/4 7,9 x 9,5	15		Brass	DV 13/10	
	R 3/8 9,5 x 11,8	19		Brass	DV 17/12	
	R 1/2 12,7 x 15,8	22		Brass	DV 21/16	


Fixed Spring Guard

Nycoil Accessories

	Connection mm	Hex	Length	Material	Part Number	
 <p>with spring guard</p> <p>* inner cone 45°</p>	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	
	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	

⚠ Please consider our security advices on the pages 12/13 ⚠

Worm Drive Hose Clips

Accessories

	Spread	Height	Part Number
	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
 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
	- 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				



Lords of the air.



The Nycoil brand high-performance hose solutions have stood for innovation and reliability in the widest range of applications for decades. With our 4 material qualities, suitable products are available for every conceivable medium – whether straight or coiled hose.



