



Polyurethane Straight and Coiled Hoses

# RECTUFLEX

**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

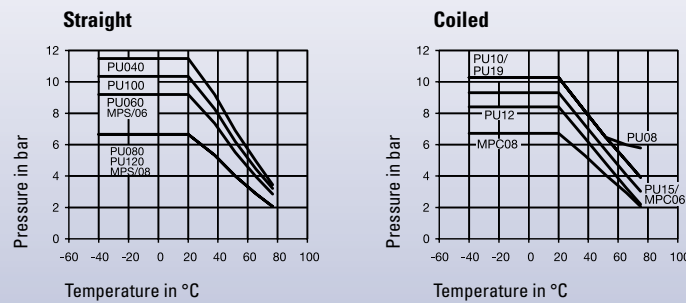
**Technical Data**

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.

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



**Straight**

**Nycoil RECTUFLEX**

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number Blue*	Part Number Red*	DS
	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	■

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

\*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	DS
	4,0 x 6,0		25 m	MPS02/06/025	MPS04/06/025	■
			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	DS
	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
4,0 m	PU15/040/DV	■				
6,0 m	PU15/060/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	DS
	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	■

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\*Hoses in black or transparent available on request.



Polyurethane Hose with Straight Extension

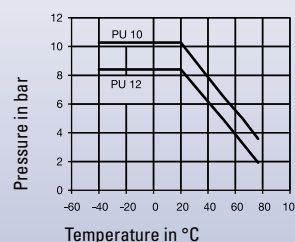
# RECTUFLEX



The 2000 mm long straight hose extension attached to the coils optimises the handling of the complete hose unit and offers 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.

**More freedom of movement thanks to straight hose extension!**

**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.

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.

**Easy do-it-yourself assembly of the connecting elements!**

**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	DS
	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	DS
	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	□



assembled

**We make it easy for you ...**

Simply push the coupling, plug or a threaded fitting onto the straight end of the hose and screw it tightly.

**... and protect surfaces too!**

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.

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\* total hose length