



# 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 light-weight, 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

### Working Temperature Hose:

-40°C up to +75°C

### Working Temperature Hose Assembled:

-20°C up to +70°C

Maximum operating pressure:  
see chart

### Durometer:

95 Shore A

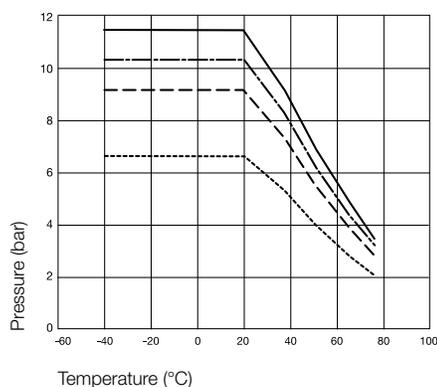
All technical data refers to air applications. We will gladly assist you for other media.

## Flow diagrams

### Relation Working Pressure / Temperature

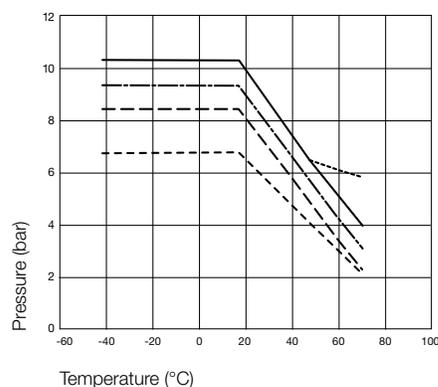
The pressure specifications apply only for the hose and not for the connection fittings.

#### Straight



- PU040
- - - PU100
- · - PU060, MPS/06
- · · PU080, PU120, MPS/08

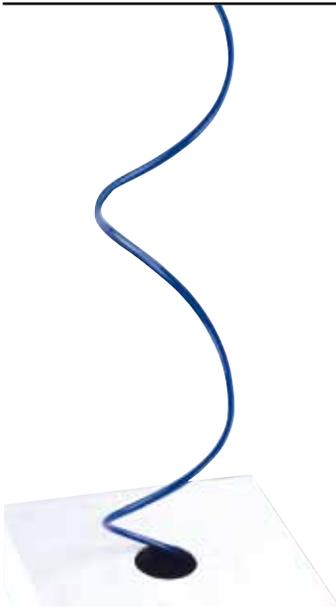
#### Coiled



- PU10, PU19
- - - PU15, MPC06
- · - PU12
- · · PU08
- - - - MPC08

# Straight Hoses

# RECTUFLEX

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

\* Hoses in black or transparent available on request.

# Multicolor straight

# RECTUFLEX

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

## Completely assembled

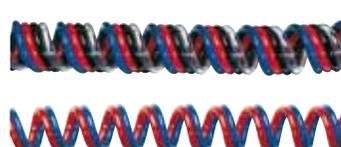
## RECTUFLEX

	Inside x Outside ø mm	Coil Outside Diameter mm	Working Length m	Connection	Part Number
	5,0 x 8,0	40	2	G 1/4	PU08/020/DV
	5,0 x 8,0	40	3	G 1/4	PU08/030/DV
	5,0 x 8,0	40	4	G 1/4	PU08/040/DV
	5,0 x 8,0	40	6	G 1/4	PU08/060/DV
	5,0 x 8,0	40	7,5	G 1/4	PU08/075/DV
	6,3 x 9,5	60	2	G 1/4	PU10/020/DV
	6,3 x 9,5	60	3	G 1/4	PU10/030/DV
	6,3 x 9,5	60	4	G 1/4	PU10/040/DV
	6,3 x 9,5	60	6	G 1/4	PU10/060/DV
	6,3 x 9,5	60	7,5	G 1/4	PU10/75/DV
	8,0 x 12,0	80	3	G 3/8	PU12/030/DV
	8,0 x 12,0	80	4	G 3/8	PU12/040/DV
	8,0 x 12,0	80	6	G 3/8	PU12/060/DV
	8,0 x 12,0	80	7,5	G 3/8	PU12/075/DV
	9,5 x 15,0	110	3	G 3/8	PU15/030/DV
	9,5 x 15,0	110	4	G 3/8	PU15/040/DV
	9,5 x 15,0	110	6	G 3/8	PU15/060/DV
	9,5 x 15,0	110	7,5	G 3/8	PU15/075/DV
	12,0 x 19,0	110	6	R 1/2	PU19/060/DV
12,0 x 19,0	110	7,5	R 1/2	PU19/075/DV	

with straight extensions 508 mm and 127mm

## Multicolor coiled

## RECTUFLEX

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