



# RECTULASTIC



## 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

## Temperature range:

-40°C up to +90°C

## Maximum operating pressure:

see chart

## Tubing assembled:

-20°C up to +70°C

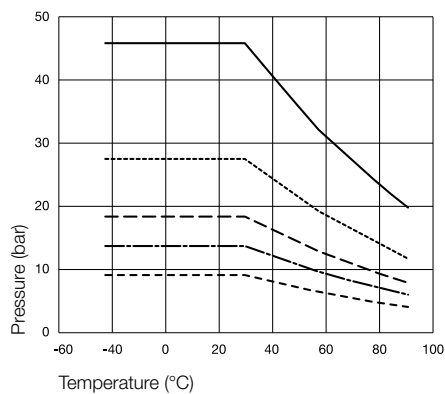
All technical data refers to air applications. We will gladly assist you for other media.

## Flow diagrams

### Relation Working Pressure / Temperature

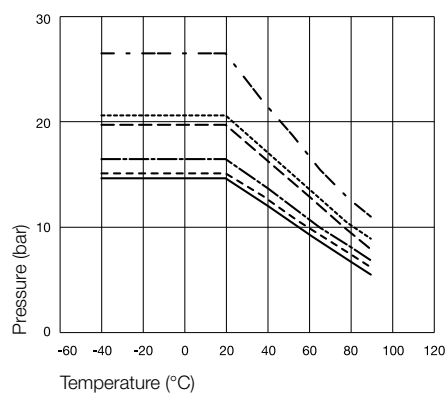
The pressure specifications apply only for the hose and not for the connection fittings.

### Straight



— PA040  
 - - - PA100  
 - · - PA080  
 ····· PA047, PA060  
 - - - - PA120, PA140

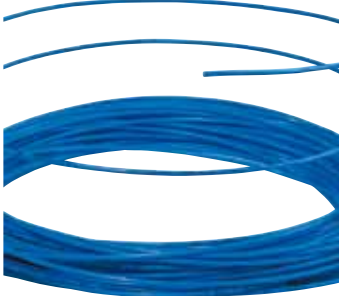
### Coiled



- · - · SP05  
 - - - SP06  
 - · - SP08  
 — SP10  
 ····· SP12  
 - - - - SP16

## Straight Hoses


## RECTULASTIC

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

\* Hoses in black or transparent available on request.

## Coiled Hoses without Fittings

## RECTULASTIC

|   | Inside x Outside<br>ø mm | Coil Outside Diameter<br>mm | Max. Working Length<br>in m | Approx. Coils | Part Number |
|---|--------------------------|-----------------------------|-----------------------------|---------------|-------------|
|  | 3,1 x 4,7                | 38                          | 2,5                         | 36            | SP05/025    |
|   | 3,1 x 4,7                | 38                          | 5                           | 72            | SP05/050    |
|   | 3,1 x 4,7                | 38                          | 7,5                         | 108           | SP05/075    |
|   | 3,1 x 4,7                | 38                          | 10                          | 144           | SP05/100    |
|   | 4,8 x 6,3                | 75                          | 2,5                         | 15            | SP06/025    |
|   | 4,8 x 6,3                | 75                          | 5                           | 30            | SP06/050    |
|   | 4,8 x 6,3                | 75                          | 7,5                         | 45            | SP06/075    |
|   | 4,8 x 6,3                | 75                          | 10                          | 60            | SP06/100    |
|   | 4,8 x 6,3                | 75                          | 15                          | 90            | SP06/150    |
|   | 4,8 x 6,3                | 75                          | 22,5                        | 140           | SP06/225    |
|   | 6,3 x 7,9                | 75                          | 2,5                         | 15            | SP08/025    |
|   | 6,3 x 7,9                | 75                          | 5                           | 30            | SP08/050    |
|   | 6,3 x 7,9                | 75                          | 7,5                         | 45            | SP08/075    |
|   | 6,3 x 7,9                | 75                          | 10                          | 60            | SP08/100    |
|   | 6,3 x 7,9                | 75                          | 15                          | 90            | SP08/150    |
|   | 6,3 x 7,9                | 75                          | 22,5                        | 135           | SP08/225    |

## Coiled Hoses without Fittings

RECTULASTIC



| Inside x Outside<br>ø mm | Coil Outside Diameter<br>mm | Max. Working Length<br>m | Approx. Coils | Part Number |
|--------------------------|-----------------------------|--------------------------|---------------|-------------|
| 7,9 x 9,5                | 115                         | 2,5                      | 10            | SP10/025    |
| 7,9 x 9,5                | 115                         | 5                        | 20            | SP10/050    |
| 7,9 x 9,5                | 115                         | 7,5                      | 30            | SP10/075    |
| 7,9 x 9,5                | 115                         | 10                       | 40            | SP10/100    |
| 7,9 x 9,5                | 115                         | 15                       | 60            | SP10/150    |
| 7,9 x 9,5                | 115                         | 22,5                     | 90            | SP10/225    |
| 9,5 x 11,8               | 140                         | 2,5                      | 8             | SP12/025    |
| 9,5 x 11,8               | 140                         | 5                        | 15            | SP12/050    |
| 9,5 x 11,8               | 140                         | 7,5                      | 23            | SP12/075    |
| 9,5 x 11,8               | 140                         | 10                       | 31            | SP12/100    |
| 9,5 x 11,8               | 140                         | 15                       | 46            | SP12/150    |
| 9,5 x 11,8               | 140                         | 22,5                     | 70            | SP12/225    |
| 12,7 x 15,8              | 220                         | 5                        | 10            | SP16/050    |
| 12,7 x 15,8              | 220                         | 7,5                      | 15            | SP16/075    |
| 12,7 x 15,8              | 220                         | 10                       | 20            | SP16/100    |
| 12,7 x 15,8              | 220                         | 15                       | 30            | SP16/150    |
| 12,7 x 15,8              | 220                         | 22,5                     | 56            | SP16/225    |

## Completely assembled with Swivel Fittings

RECTULASTIC



| Inside x Outside<br>ø mm | Coil Outside Diameter<br>mm | Max. Working Length<br>m | Approx. Coils | Part Number |
|--------------------------|-----------------------------|--------------------------|---------------|-------------|
| 3,1 x 4,7 R1/8           | 38                          | 2,5                      | 36            | SP05/025/DV |
| 3,1 x 4,7 R1/8           | 38                          | 5                        | 72            | SP05/050/DV |
| 3,1 x 4,7 R1/8           | 38                          | 7,5                      | 108           | SP05/075/DV |
| 3,1 x 4,7 R1/8           | 38                          | 10                       | 144           | SP05/100/DV |
| 4,8 x 6,3 R1/4           | 75                          | 2,5                      | 15            | SP06/025/DV |
| 4,8 x 6,3 R1/4           | 75                          | 5                        | 30            | SP06/050/DV |
| 4,8 x 6,3 R1/4           | 75                          | 7,5                      | 45            | SP06/075/DV |
| 4,8 x 6,3 R1/4           | 75                          | 10                       | 60            | SP06/100/DV |
| 4,8 x 6,3 R1/4           | 75                          | 15                       | 90            | SP06/150/DV |
| 4,8 x 6,3 R1/4           | 75                          | 22,5                     | 140           | SP06/225/DV |
| 6,3 x 7,9 R 1/4          | 75                          | 2,5                      | 15            | SP08/025/DV |
| 6,3 x 7,9 R 1/4          | 75                          | 5                        | 30            | SP08/050/DV |
| 6,3 x 7,9 R 1/4          | 75                          | 7,5                      | 45            | SP08/075/DV |
| 6,3 x 7,9 R 1/4          | 75                          | 10                       | 60            | SP08/100/DV |
| 6,3 x 7,9 R 1/4          | 75                          | 15                       | 90            | SP08/150/DV |
| 6,3 x 7,9 R 1/4          | 75                          | 22,5                     | 135           | SP08/225/DV |

with swivel fittings  
and spring guards (Type DV)

## Completely assembled with Swivel Fittings

## RECTULASTIC



with swivel fittings  
and spring guards (Type DV)

| Inside x Outside<br>ø mm | Coil Outside Diameter<br>mm | Max. Working Length<br>m | Approx. Coils | Part Number |
|--------------------------|-----------------------------|--------------------------|---------------|-------------|
| 7,9 x 9,5 R 1/4          | 115                         | 2,5                      | 10            | SP10/025/DV |
| 7,9 x 9,5 R 1/4          | 115                         | 5                        | 20            | SP10/050/DV |
| 7,9 x 9,5 R 1/4          | 115                         | 7,5                      | 30            | SP10/075/DV |
| 7,9 x 9,5 R 1/4          | 115                         | 10                       | 40            | SP10/100/DV |
| 7,9 x 9,5 R 1/4          | 115                         | 15                       | 60            | SP10/150/DV |
| 7,9 x 9,5 R 1/4          | 115                         | 22,5                     | 90            | SP10/225/DV |
| 9,5 x 11,8 R 3/8         | 140                         | 2,5                      | 8             | SP12/025/DV |
| 9,5 x 11,8 R 3/8         | 140                         | 5                        | 15            | SP12/050/DV |
| 9,5 x 11,8 R 3/8         | 140                         | 7,5                      | 23            | SP12/075/DV |
| 9,5 x 11,8 R 3/8         | 140                         | 10                       | 31            | SP12/100/DV |
| 9,5 x 11,8 R 3/8         | 140                         | 15                       | 46            | SP12/150/DV |
| 9,5 x 11,8 R 3/8         | 140                         | 22,5                     | 70            | SP12/225/DV |
| 12,7 x 15,8 R 1/2        | 220                         | 5                        | 10            | SP16/050/DV |
| 12,7 x 15,8 R 1/2        | 220                         | 7,5                      | 15            | SP16/075/DV |
| 12,7 x 15,8 R 1/2        | 220                         | 10                       | 20            | SP16/100/DV |
| 12,7 x 15,8 R 1/2        | 220                         | 15                       | 30            | SP16/150/DV |
| 12,7 x 15,8 R 1/2        | 220                         | 22,5                     | 47            | SP16/225/DV |

## Completely assembled with Coupling and Plug

## RECTULASTIC



with 26 series coupling and plug  
with spring guards

| Inside x Outside<br>ø mm | Coil Outside Diameter<br>mm | Max. Working Length<br>m | Approx. Coils | Part Number  |
|--------------------------|-----------------------------|--------------------------|---------------|--------------|
| 6,3 x 7,9                | 75                          | 2,5                      | 15            | SP08/025/K+S |
| 6,3 x 7,9                | 75                          | 5                        | 30            | SP08/050/K+S |
| 6,3 x 7,9                | 75                          | 7,5                      | 45            | SP08/075/K+S |
| 6,3 x 7,9                | 75                          | 10                       | 60            | SP08/100/K+S |
| 6,3 x 7,9                | 75                          | 15                       | 90            | SP08/150/K+S |
| 6,3 x 7,9                | 75                          | 22,5                     | 135           | SP08/225/K+S |
|                          |                             |                          |               |              |
| 7,9 x 9,5                | 115                         | 2,5                      | 10            | SP10/025/K+S |
| 7,9 x 9,5                | 115                         | 5                        | 20            | SP10/050/K+S |
| 7,9 x 9,5                | 115                         | 7,5                      | 30            | SP10/075/K+S |
| 7,9 x 9,5                | 115                         | 10                       | 40            | SP10/100/K+S |
| 7,9 x 9,5                | 115                         | 15                       | 60            | SP10/150/K+S |
| 7,9 x 9,5                | 115                         | 22,5                     | 90            | SP10/225/K+S |
|                          |                             |                          |               |              |
| 9,5 x 11,8               | 140                         | 2,5                      | 8             | SP12/025/K+S |
| 9,5 x 11,8               | 140                         | 5                        | 15            | SP12/050/K+S |
| 9,5 x 11,8               | 140                         | 7,5                      | 23            | SP12/075/K+S |
| 9,5 x 11,8               | 140                         | 10                       | 31            | SP12/100/K+S |
| 9,5 x 11,8               | 140                         | 15                       | 46            | SP12/150/K+S |
| 9,5 x 11,8               | 140                         | 22,5                     | 70            | SP12/225/K+S |