

# PYTHON

Technology leader



Over the course of time Python has come to the fore as a premium quality rubber hose range. Python is now synonymous with a prestigious and attractive hose product of high quality. Parker has now introduced a new upgraded version of Python for 20 and 30 bar – but the story does not end there!

In addition to the existing features such as:

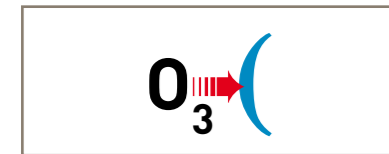
- high ozone resistance
- antistatic
- high temperature
- low temperature
- non-staining cover
- high flexibility

Parker has added these entirely new benefits:

- working pressure increased to 20 and 30 bar
- nitrosamine-free compound
- high quality EPDM compound

- increase of temperature resistance up to +120 °C with peaks to +140 °C
- more flexibility and colour stability
- brand updated

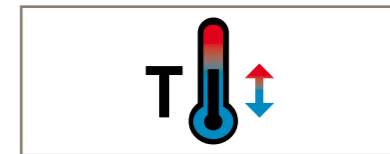
More than ever, Python hoses are the best multipurpose hoses for industrial applications.



## Resistance to ageing

Python hose is made up from premium rubber compounds resistant to the degrading action of sun, weather and oxidation caused by the ozone present in air. A variety of tough ageing tests carried out in the laboratory and excellent performance in a wide range of applications have proved the high quality levels of these products, leading of course to long hose life.

In order to allow immediate identification of the different levels of operating pressure, Python hose is available in green and yellow colours. Particular attention has been paid to the rubber pigmentation system so as to provide bright, fast and not-easy-to-get-dirty colours.

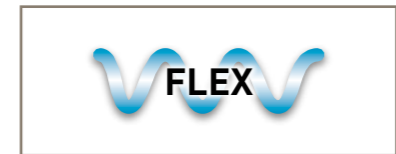


## Resistance to high and low temperature

Heat is another element speeding up ageing and quality deterioration. Python hoses are suitable for working at up to temperatures 120 °C and even peaks of 140 °C.

Thanks to the very low temperatures of crystallization of the rubber compounds used, Python hose can be used even at environmental temperatures –40 °C.

Even under such extreme conditions the elasticity and solidity characteristics are definitely unchanged.



## Flexibility

Python hose flexibility is excellent and unchanged over the years.

Easily handled, it totally adjusts itself to the application environment.



## Antistatic

Python hose is made up of antistatic rubber compounds preventing any possibly dangerous accumulation of electric charge.

This, of course, is a very important safety feature.



# PYTHON NV 20

Premium Technology  
Multipurpose Hose



## Cover

Green, smooth EPDM nitrosamine-free rubber compound.

## Applications

Designed for air, cold and hot water and light chemical media.

## Temperature range

–40 °C (–40 °F) to +120°C (+248 °F) with peaks to +140 °C (+284 °F)

## Standard Lengths

Minimum length 20 m  
Maximum lengths  
≤ I.D. 25 mm 40/80 m  
I.D. 25 - 63,5 mm 40 m  
> I.D. 63,5 mm 20 m  
On request 40 m lengths for sizes up to I.D. 100 mm.

## Tube

Black, antistatic, smooth EPDM nitrosamine-free rubber compound, resistant to light chemical media.

## Reinforcement

Synthetic textile yarns.

## UNI EN ISO 1307/97 tolerances for ≤ I.D. 25 mm.

On inside diameter  
≤ I.D. 5 mm ± 0,60 mm  
I.D. 5.1 - 20 mm ± 0,80 mm  
I.D. 20.1 - 25 mm ± 1,20 mm

## RMA steel mandrel tolerances for > I.D. 25 mm.

On inside diameter  
≤ I.D. 38 mm ± 0,79 mm  
> I.D. 38 mm ± 1,59 mm  
On outer diameter ± 1,59 mm  
Length tolerance ± 1 %

## Assembly

Use couplings with standard hose shank with interference of 1 - 2 mm.  
For temperature > 80 °C use standard steam couplings with interference.

IHXXXXXXXXXX Part Number/ Standard Length m	I.D. mm	O.D. mm	Working Pressure			Burst Pressure			Weight kg/m	min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH30351200/40	10	17	2,0	300,0	20	6,0	900,0	60	0,22	60
IH30351200/80	10	17	2,0	300,0	20	6,0	900,0	60	0,22	60
IH30351201/40	13	20	2,0	300,0	20	6,0	900,0	60	0,26	80
IH30351201/80	13	20	2,0	300,0	20	6,0	900,0	60	0,26	80
IH30351202/40	15	22	2,0	300,0	20	6,0	900,0	60	0,29	90
IH30351202/80	15	22	2,0	300,0	20	6,0	900,0	60	0,29	90
IH30351203/40	19	27	2,0	300,0	20	6,0	900,0	60	0,41	110
IH30351203/80	19	27	2,0	300,0	20	6,0	900,0	60	0,41	110
IH30351204/40	25	34	2,0	300,0	20	6,0	900,0	60	0,60	150
IH36351201/40	32	44	2,0	300,0	20	6,0	900,0	60	0,98	320
IH36351202/40	38	51	2,0	300,0	20	6,0	900,0	60	1,20	380
IH36351203/40	42	56	2,0	300,0	20	6,0	900,0	60	1,42	420
IH36351204/40	50	66	2,0	300,0	20	6,0	900,0	60	1,76	500



# PYTHON NY 30

Premium Technology  
Multipurpose Hose



## Cover

Yellow, smooth EPDM nitrosamine-free rubber compound.

## Applications

Designed for air, cold and hot water and light chemical media.

## Temperature range

–40 °C (–40 °F) to +120°C (+248 °F) with peaks to +140 °C (+284 °F)

## Standard Lengths

Minimum length 20 m  
Maximum lengths  
≤ I.D. 25 mm 40/80 m  
I.D. 25 - 63,5 mm 40 m  
> I.D. 63,5 mm 20 m  
On request 40 m lengths for sizes up to I.D. 100 mm.

## Tube

Black, antistatic, smooth EPDM nitrosamine-free rubber compound, resistant to light chemical media.

## Reinforcement

Synthetic textile yarns.

## UNI EN ISO 1307/97 tolerances for ≤ I.D. 25 mm.

On inside diameter  
I.D. 6 mm - 20 mm ± 0,80 mm  
I.D. 20.1 - 25 mm ± 1,20 mm

## RMA steel mandrel tolerances for > I.D. 25 mm.

On inside diameter  
≤ I.D. 38 mm ± 0,79 mm  
> I.D. 38 mm ± 1,59 mm  
On outer diameter ± 1,59 mm  
Length tolerance ± 1 %

## Assembly

Use couplings with standard hose shank with interference of 1 - 2 mm.  
For temperature > 80 °C use standard steam couplings with interference.

IHXXXXXXXXXX Part Number/ Standard Length m	I.D. mm	O.D. mm	Working Pressure			Burst Pressure			Weight kg/m	min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
IH30351250/40	6	14	3,0	450,0	30	9,0	1350,0	90	0,18	40
IH30351250/80	6	14	3,0	450,0	30	9,0	1350,0	90	0,18	40
IH30351251/40	8	17	3,0	450,0	30	9,0	1350,0	90	0,25	50
IH30351251/80	8	17	3,0	450,0	30	9,0	1350,0	90	0,25	50
IH30351252/40	10	20	3,0	450,0	30	9,0	1350,0	90	0,34	60
IH30351252/80	10	20	3,0	450,0	30	9,0	1350,0	90	0,34	60
IH30351253/40	13	23	3,0	450,0	30	9,0	1350,0	90	0,40	80
IH30351253/80	13	23	3,0	450,0	30	9,0	1350,0	90	0,40	80
IH30351254/40	16	27	3,0	450,0	30	9,0	1350,0	90	0,52	100
IH30351254/80	16	27	3,0	450,0	30	9,0	1350,0	90	0,52	100
IH30351255/40	19	30	3,0	450,0	30	9,0	1350,0	90	0,60	110
IH30351255/80	19	30	3,0	450,0	30	9,0	1350,0	90	0,60	110
IH30351256/40	25	37	3,0	450,0	30	9,0	1350,0	90	0,88	150
IH36351250/40	32	44	3,0	450,0	30	9,0	1350,0	90	0,95	320
IH36351251/40	38	51	3,0	450,0	30	9,0	1350,0	90	1,20	380
IH36351252/40	42	56	3,0	450,0	30	9,0	1350,0	90	1,45	420
IH36351253/40	50	66	3,0	450,0	30	9,0	1350,0	90	1,93	500
IH36351254/40	65	82	3,0	450,0	30	9,0	1350,0	90	2,50	650
IH36351255/40	75	91	3,0	450,0	30	9,0	1350,0	90	3,08	750
IH36351256/40	100	122	3,0	450,0	30	9,0	1350,0	90	5,05	1000

# Applications



## Irrigation and spraying in agriculture

Fluid: water, medium and low aggression herbicides and pesticides (water-based solutions only)



## Compressors and pneumatic tools

Fluid: compressed air



## Cleaning and general industrial applications

Fluid: hot water, medium and low aggression detergents



## Irrigation of sports facilities and parks

Fluid: water



## Cleaning on board in aggressive marine environments

Fluid: water, cleaning medium

Python hose is also suitable for conveying different chemical solutions such as medium/low concentration acids and bases. For any special applications please refer to our technical department.

## Sales Offices

**AE – United Arab Emirates,** Abu Dhabi  
Tel: +971 2 67 88 587

**AR – Argentina,** Buenos Aires  
Tel: +54 3327 44 4129

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## PYTHON NV 20 and NY 30

Premium Technology  
Multipurpose Hoses

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

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