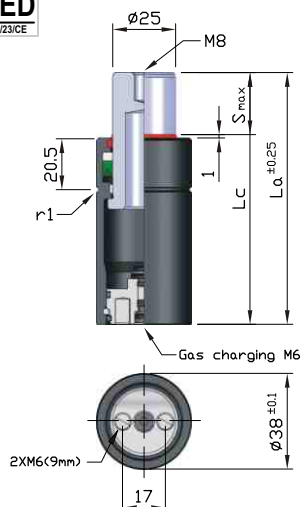


## TPH 850

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**4,91 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

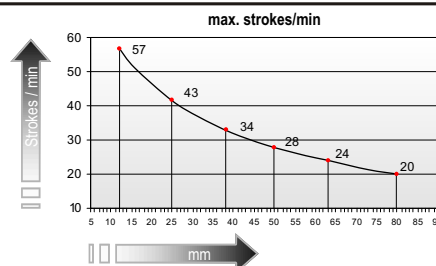
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

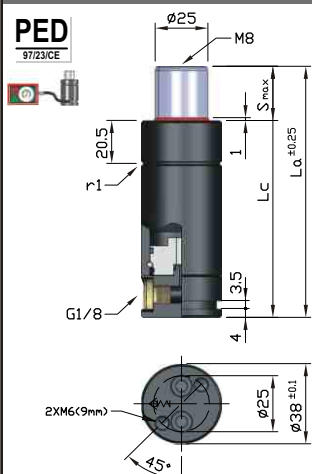
**kit H850**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPH 850x12	12	74	62	850 (±5%)	1255	175	0,019	0,40
TPH 850x25	25	100	75		1405		0,031	0,45
TPH 850x38	38	130	92		1415		0,047	0,52
TPH 850x50	50	155	105		1455		0,060	10,64
TPH 850x63	63	185	122		1450		0,076	0,75
TPH 850x80	80	225	145		1440		0,098	0,86

## TPH 850 C

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**4,91 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

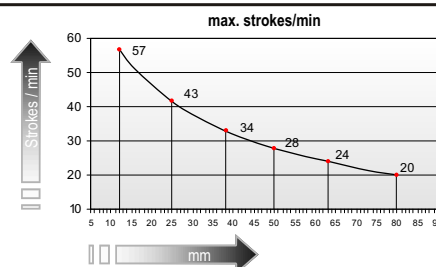
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

**kit HC850**

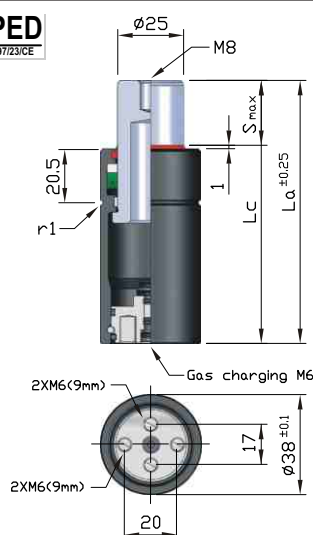


Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPH 850x12C	12	94	82	850 (±5%)	1255	175	0,019	0,60
TPH 850x25C	25	120	95		1405		0,031	0,65
TPH 850x38C	38	150	112		1415		0,047	0,72
TPH 850x50C	50	175	125		1455		0,060	0,84
TPH 850x63C	63	205	142		1450		0,076	0,95
TPH 850x80C	80	245	165		1440		0,098	1,06

The TPH 850C model does not have a filling valve.  
It can only be pressurised through a control panel.  
This model is supplied without pressure.

## TPH 1000

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**200 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**4,91 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

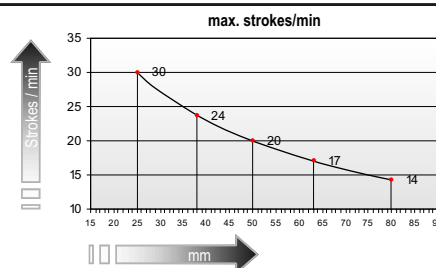
**0,33% / 1°C**

Max. stem speed

**15 m/min**

Maintenance kit

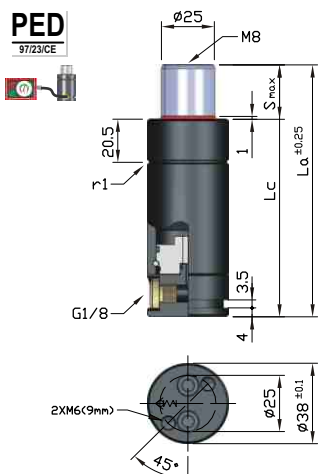
**kit H1000**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V	kg
TPH 1000x25	25	105	80	1000 (±5%)	1500	185	0,035	0,50
TPH 1000x38	38	135	97		1540		0,052	0,57
TPH 1000x50	50	160	110		1590		0,064	0,69
TPH 1000x63	63	205	142		1480		0,092	0,80
TPH 1000x80	80	240	160		1530		0,110	0,91

## TPH 1000 C

PED  
97/23/CE



The TPH 1000C model does not have a filling valve. It can only be pressurised through a control panel. This model is supplied without pressure.

Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**200 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**4,91 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

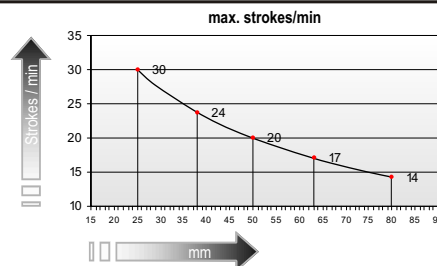
**0,33% / 1°C**

Max. stem speed

**15 m/min**

Maintenance kit

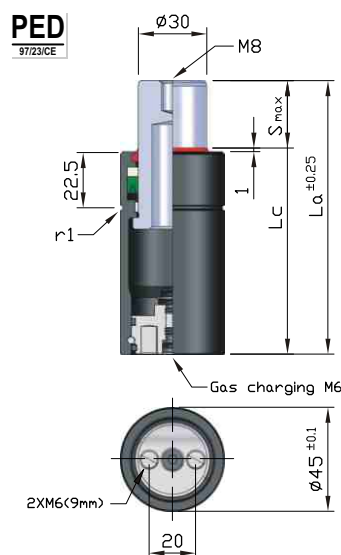
**kit HC1000**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 1000x25C	25	125	100	1000 (±5%)	1500	185	0,035	0,67
TPH 1000x38C	38	155	117		1540		0,052	0,74
TPH 1000x50C	50	180	130		1590		0,064	0,86
TPH 1000x63C	63	225	162		1480		0,092	0,97
TPH 1000x80C	80	260	180		1530		0,110	1,08

## TPH 1250

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**7,07 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

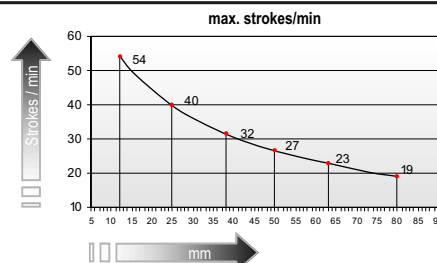
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

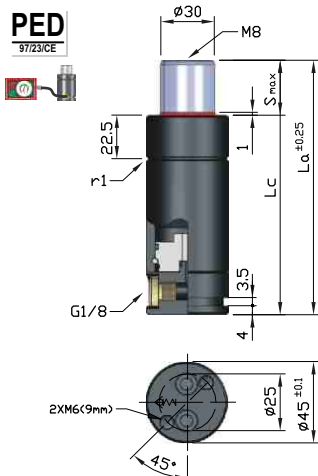
**kit H1250**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 1250x12	12	79	67	1250 (±5%)	1740	175	0,029	0,62
TPH 1250x25	25	105	80		1970		0,047	0,75
TPH 1250x38	38	135	97		2005		0,070	0,83
TPH 1250x50	50	160	110		2070		0,088	0,91
TPH 1250x63	63	190	127		2075		0,110	1,10
TPH 1250x80	80	230	150		2020		0,146	1,17

## TPH 1250 C

PED  
97/23/CE



The TPH 1250C model does not have a filling valve. It can only be pressurised through a control panel. This model is supplied without pressure.

Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**7,07 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

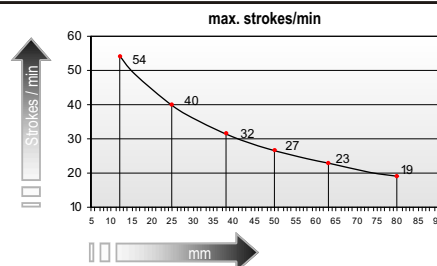
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

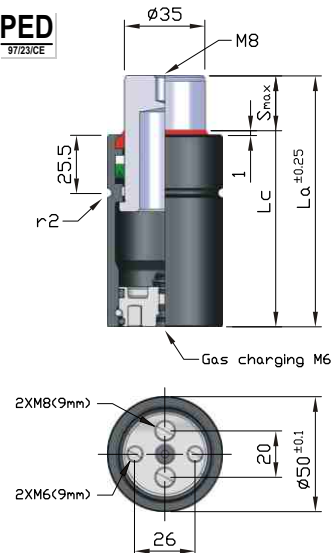
**kit HC1250**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 1250x12 C	12	99	87	1250 (±5%)	1950	175	0,023	0,82
TPH 1250x25 C	25	125	100		2130		0,048	0,95
TPH 1250x38 C	38	155	117		2075		0,067	1,03
TPH 1250x50 C	50	180	130		2090		0,088	1,15
TPH 1250x63 C	63	210	147		2045		0,114	1,30
TPH 1250x80 C	80	250	170		1965		0,155	1,27

## TPH 1700

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**9,62 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

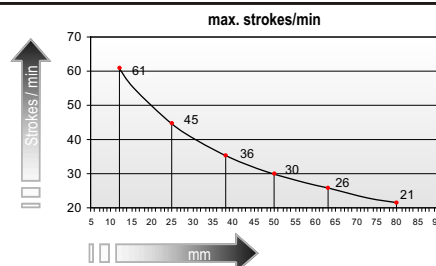
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

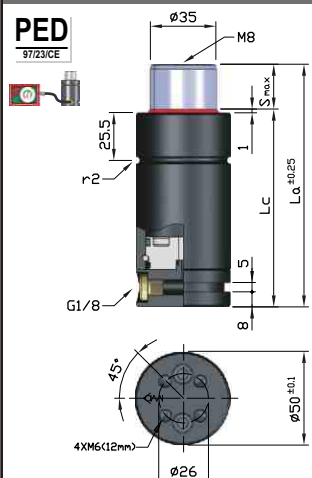
**kit H1700**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPH 1700x12	12	84	72	1700 (±5%)	2405	175	0,039	0,82
TPH 1700x25	25	110	85		2745		0,062	0,91
TPH 1700x38	38	140	102		2795		0,092	1,12
TPH 1700x50	50	165	115		2890		0,115	1,25
TPH 1700x63	63	195	132		2895		0,145	1,35
TPH 1700x80	80	235	155		2885		0,185	1,48

## TPH 1700 C

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**9,62 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

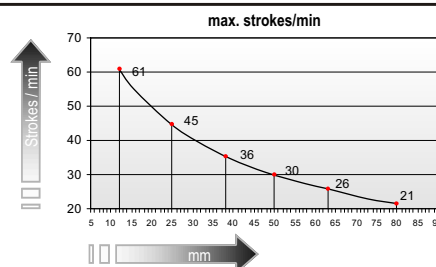
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

**kit HC1700**

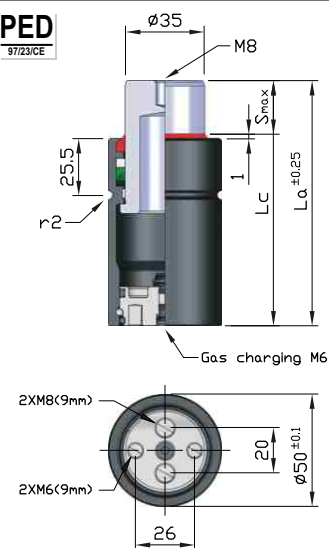


Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPH 1700x12 C	12	104	92	1700 (±5%)	2405	175	0,039	1,12
TPH 1700x25 C	25	130	105		2745		0,062	1,21
TPH 1700x38 C	38	160	122		2795		0,092	1,42
TPH 1700x50 C	50	185	135		2890		0,115	1,55
TPH 1700x63 C	63	215	152		2895		0,145	1,65
TPH 1700x80 C	80	255	175		2885		0,185	1,78

The TPH 1700C model does not have a filling valve. It can only be pressurised through a control panel. This model is supplied without pressure.

## TPH 2000

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**200 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**9,62 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

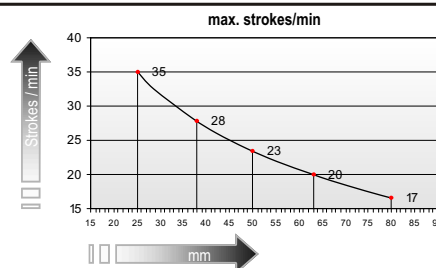
**0,33% / 1°C**

Max. stem speed

**15 m/min**

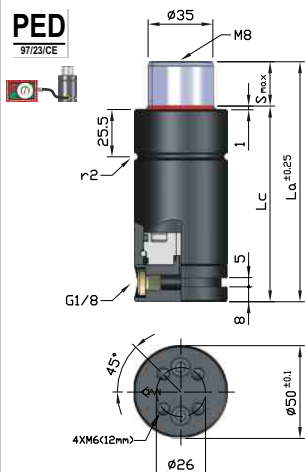
Maintenance kit

**kit H2000**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	kg
TPH 2000x25	25	135	110	1925 (±5%)	2545	185	0,099	1,02
TPH 2000x38	38	165	127		2690		0,128	1,32
TPH 2000x50	50	190	140		2820		0,152	1,45
TPH 2000x63	63	220	157		2890		0,181	1,55
TPH 2000x80	80	255	175		3005		0,214	1,68

## TPH 2000 C



The TPH 2000C model does not have a filling valve. It can only be pressurised through a control panel. This model is supplied without pressure.

Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**200 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**9,62 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

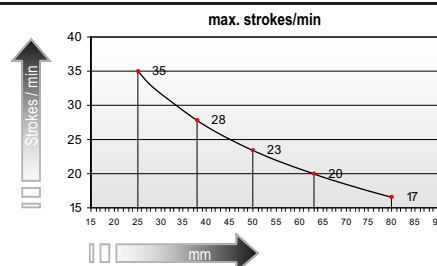
**0,33% / 1°C**

Max. stem speed

**15 m/min**

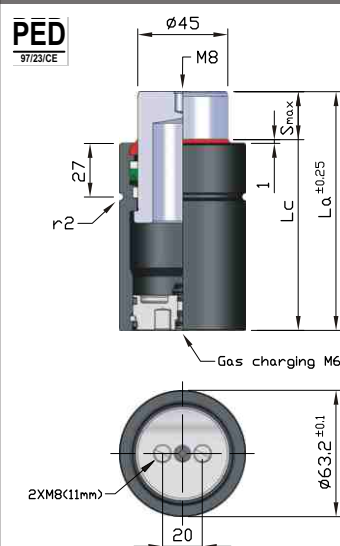
Maintenance kit

**kit HC2000**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 2000x25C	25	155	130	1925 (±5%)	2545	185	0,099	1,22
TPH 2000x38C	38	185	147		2690		0,128	1,52
TPH 2000x50C	50	210	160		2820		0,152	1,65
TPH 2000x63C	63	240	177		2890		0,181	1,75
TPH 2000x80C	80	275	195		3005		0,214	1,88

## TPH 2800



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**15,90 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

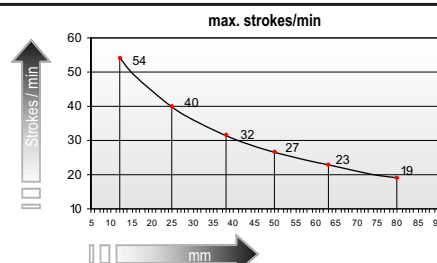
**0,33% / 1°C**

Max. stem speed

**20 m/min**

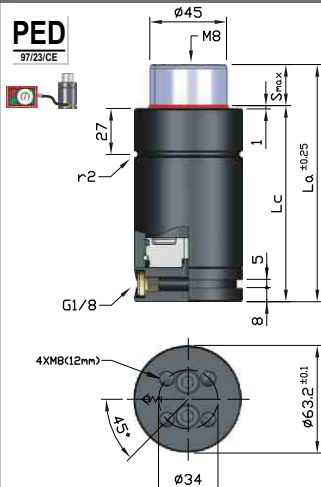
Maintenance kit

**kit H2800**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 2800x12	12	94	82	2800 (±5%)	3740	175	0,075	1,31
TPH 2800x25	25	120	95		4305		0,112	1,52
TPH 2800x38	38	150	112		4485		0,159	1,85
TPH 2800x50	50	175	125		4515		0,207	1,97
TPH 2800x63	63	210	147		4595		0,254	2,05
TPH 2800x80	80	250	170		4650		0,317	2,22

## TPH 2800 C



The TPH 2800C model does not have a filling valve. It can only be pressurised through a control panel. This model is supplied without pressure.

Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**15,90 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

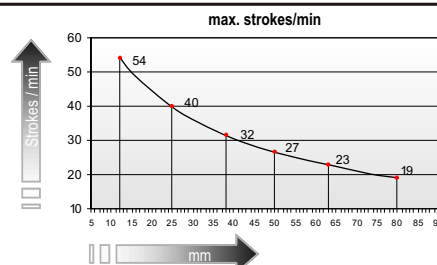
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

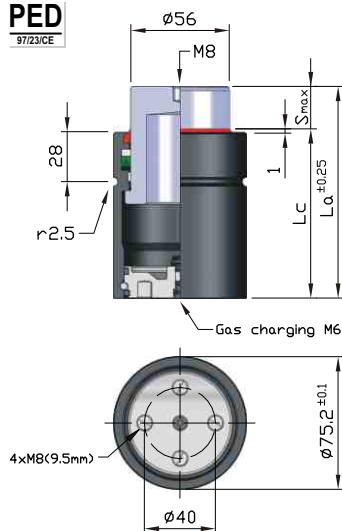
**kit HC2800**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 2800x12 C	12	114	102	2800 (±5%)	3740	175	0,075	1,41
TPH 2800x25 C	25	140	115		4305		0,112	1,92
TPH 2800x38 C	38	170	132		4485		0,159	2,35
TPH 2800x50 C	50	195	145		4515		0,207	2,37
TPH 2800x63 C	63	230	167		4595		0,254	2,45
TPH 2800x80 C	80	270	190		4650		0,317	2,62

## TPH 4300

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**24,63 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

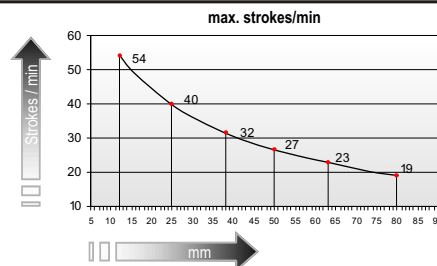
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

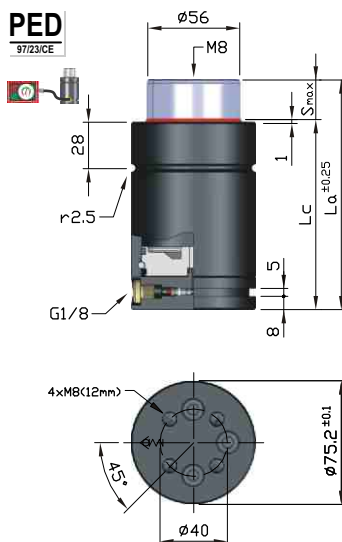
**kit H4300**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 4200x12	12	94	82	4300 (±5%)	5800	175	0,115	1,82
TPH 4300x25	25	120	95		6680		0,173	2,10
TPH 4300x38	38	150	112		6965		0,246	2,42
TPH 4300x50	50	175	125		7265		0,303	2,61
TPH 4300x63	63	210	147		7135		0,392	2,70
TPH 4300x80	80	250	170		7225		0,488	3,05

## TPH 4300 C

PED  
97/23/CE



Pressure medium

**Nitrogen Gas (N<sub>2</sub>)**

Max. charging pressure

**175 Bar**

Min. charging pressure

**35 Bar**

Rod seal area

**24,63 cm<sup>2</sup>**

Max. working temperature

**80°C**

Force increase by temperature

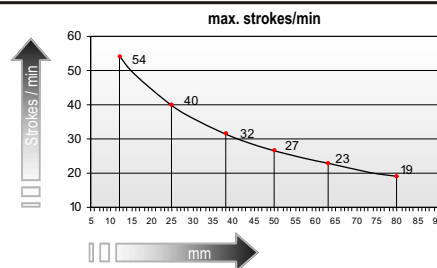
**0,33% / 1°C**

Max. stem speed

**20 m/min**

Maintenance kit

**kit HC4300**



Code	S max mm	La mm	Lc mm	Fa daN	Fc daN	P Bar	V l	Kg
TPH 4200x12C	12	114	102	4300 (±5%)	5800	175	0,115	2,32
TPH 4300x25C	25	140	115		6680		0,173	2,60
TPH 4300x38C	38	170	132		6965		0,246	2,92
TPH 4300x50C	50	195	145		7265		0,303	3,11
TPH 4300x63C	63	230	167		7135		0,392	3,20
TPH 4300x80C	80	270	190		7225		0,488	4,05