


AIR HYDRAULIC PUMP

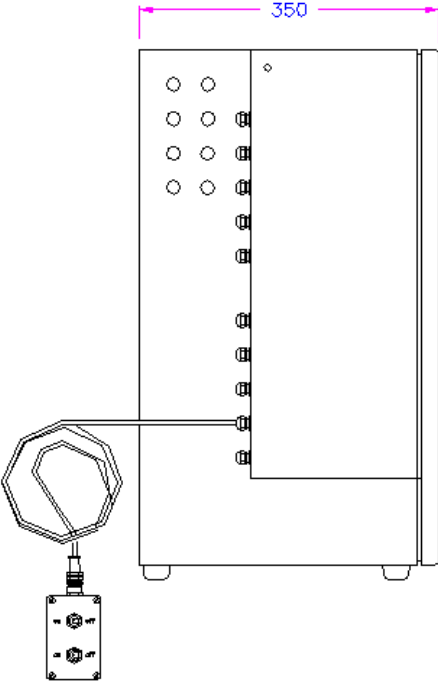
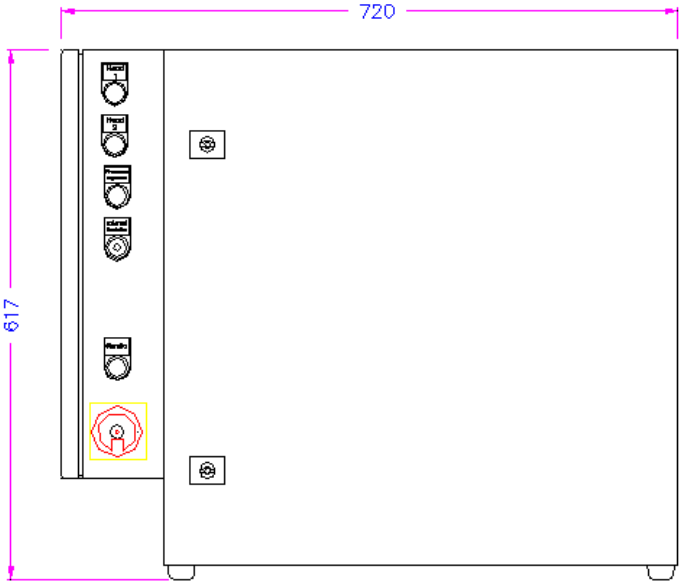
- Converts air pressure to oil pressure
- For hydraulic grips with spring return and for double action hydraulic grips without spring return

<p>Item no.: TH135-Pu-V2-o2-450-spr</p> <p>Air hydraulic pump <u>for spring return hydraulic grips</u>:</p> <ul style="list-style-type: none"> • 2 valves for independent switching of the grips (open – close) • Remote control with ON / OFF switches • Capacity: 2.75 l/min, 40 - 450 bar • 1:61 (air pressure: oil pressure) • Dimensions (LxWxH): 350 x 250 x 400 mm • Weight 27.5 kg; 220 V, 0.1 A. Noise level 60 dBA 	
<p>Item no.: TH135-Pu-V2-o2-450-G-a-spr</p> <p>Same as TH135-Pu-V2-o2-450-spr, but</p> <ul style="list-style-type: none"> • incl. housing for noise reduction; noise level closed in the box 50 dBA • with analogue pressure transducer: clamping pressure can be adjusted through analogue signal 1-10 Volt • Dimensions (LxWxH): 723 x 350 x 617 mm 	
<p>Item no.: TH135-Pu-V4-o2-450-G-a-spr</p> <p>Same as TH135-Pu-V2-o2-G-a-450-spr but</p> <ul style="list-style-type: none"> • with 4 hydraulic valves to lock the jaws at any required position (close – stop – open) 	
<p>Item no.: TH135-Pu-V4-o4-450-G-a</p> <p>Air hydraulic pump <u>for double action hydraulic grips without spring return</u> (e.g. TH188, THS321-Hy):</p> <ul style="list-style-type: none"> • with 4 hydraulic valves to lock the jaws at any required position (open – stop – close) • with analogue pressure transducer: clamping pressure can be adjusted through analogue signal 1 – 10 Volt, max. pressure 450 bar • Incl. housing for noise reduction 	

<p>Accessories for the pumps:</p>	
<p>Item no.: THS1881-6.3-3-SW19</p> <p>Hydraulic hose, 3 m long, 6.3 mm inner diameter, 1/4" fittings, 450 bar, 125°C, union nuts: M16x1.5, wrench size 19 mm</p>	
<p>Item no.: THS1881-6.3-5-SW19</p> <p>Hydraulic hose, 5 m long, 6.3 mm inner diameter, 1/4" fittings, 450 bar, 125°C, union nuts M16x1.5, wrench size 19 mm</p>	

Higher temperatures:
Hydraulic sealings can be used from -30°C up to 125°C
In special cases we can supply up to +200°C (material of sealing FKM PTFE Bronze)

	<p>TH135-Pu-... back side</p>
	<p>TH135-Pu-... noise level 50 dBa</p>



How to connect TH135-Pu to TH135-180



<http://www.youtube.com/watch?v=qfIG5tBUoeU>

Video-1

<http://www.youtube.com/watch?v=KWzg4CWBrSE>

Video-2

<http://www.youtube.com/watch?v=O6K5D3noHJ8>

Video-3

<http://www.youtube.com/watch?v=zQE4KXbeoEI>

Video-4

http://www.youtube.com/watch?v=XG_Nr4E2c9w

Video-5

<http://www.youtube.com/watch?v=1ixM81SPF-E>

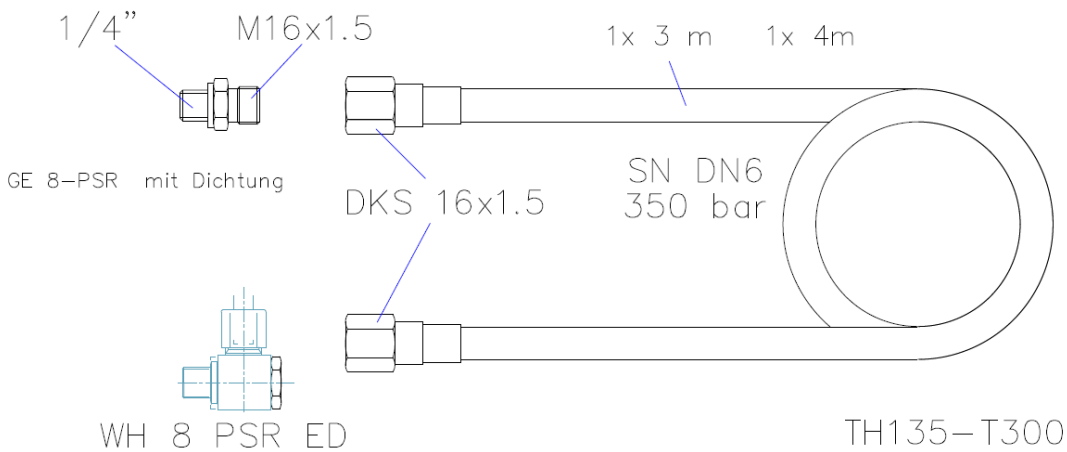
Video-7

<http://www.youtube.com/watch?v=Ih-pLqQ5-aA>

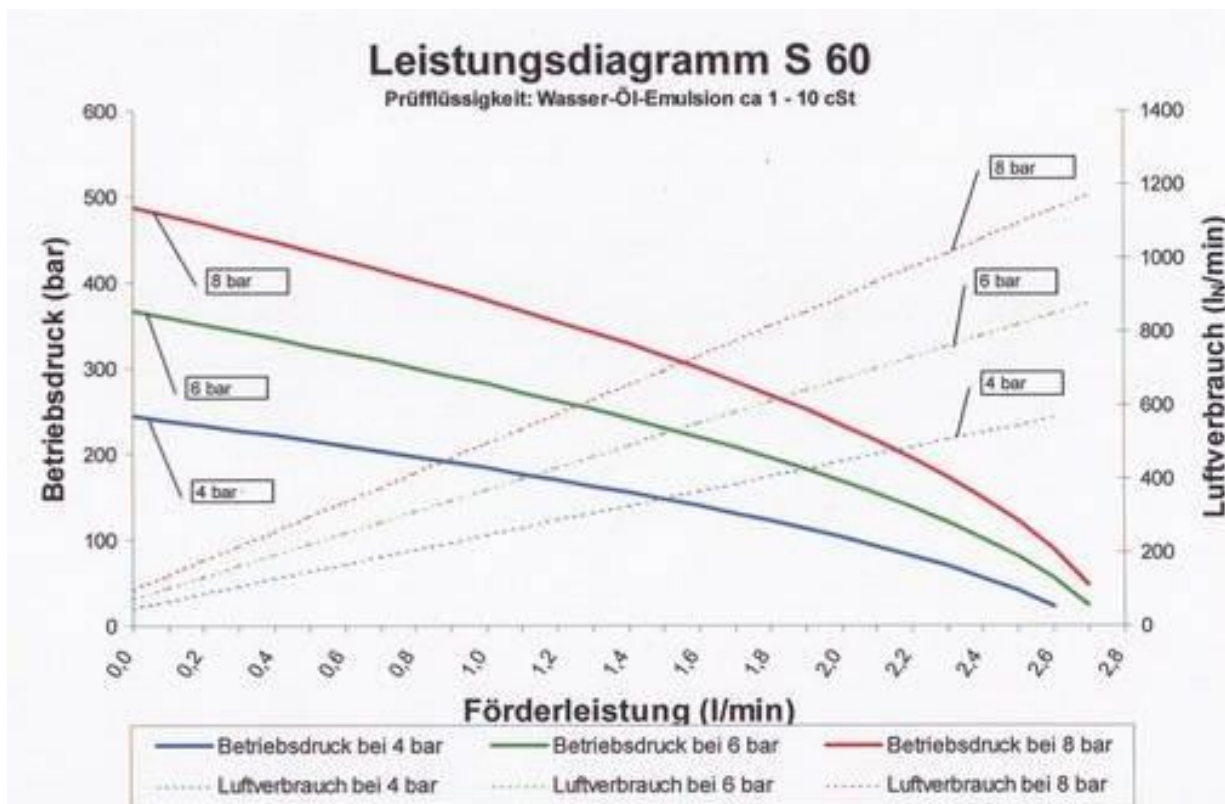
Video-8

http://www.youtube.com/watch?v=o6s_pfzMB4w

Video-9



- 1x Hydraulikschlauch 2SN DN 06 bds DKOS 08-S-3000mm lang
- 1x Hydraulikschlauch 2SN DN 06 bds DKOS 08-S-4000mm lang
- 2x GE08SRDOMDCF
- 2x WH08SRKDSCMDCF

**Possible oils:**

Aral	Vitam GF 46
BP	Energol HLP 46
Esso	Nuto H46
Shell	Tellus Oil 46
	Hydrol DO 46
	Hydrol HV 46
DEA	Astron HLP 46

Legend

TH135-Pu-A-B-C-D-E

e.g. TH135-Pu-V2-o2-450

A= Vx valves x can be 2 with close and open or 4 with close-stop-open**B= ox outlet** x can be 2 with simple spring return grips
x can be 4 with double action rods (no spring inside to move rod back)**C= pressure of system, typically 350, 450 or 700 bar****D = optional "G" for noise box, "a" for analogue pressure regulator****E = "spr" for spring return**