



HOSE	SUPPORT RING	FITTING	SLEEVES
HS04N /HS100N 6x8 mm	HS1011S	Fitting HS1010MS for HTP pump	HS10131 (10 sleeves and support rings)
		fittings of BYPASS8 use	HS10131 (10 sleeves and support rings)
		fittings of HS211 use	HS10131 (10 sleeves and support rings)
HHOSE60-- /HHOSE6100 6x 10mm	HS145S	HS1039MS/1037MS for HTP pump	SET0173
		HS868/HS213 use	SET0174
		fittings in KITK52175 for K30/140	SET0173
		fittings for BYPASS10 use	SET0174
		Fittings for HTP pumps 10 mm use	SET0173
		T-couplings HS868 for MTC 52 to 175 use	SET0174
		not needed	not needed
HHOSE80-- /HHOSE8100 8x12 mm	not needed	HS1031MS/HS1037MS	not needed
		fittings in KITK30 for K30/140 use	SET0173
		fittings for BYPASS10 use	SET0174
		Fittings for HTP pumps 10 mm use	SET0173
		T-couplings HS868 for MTC 52 to 175 use	SET0174



VETUS offers two different types of steering pumps; steering pumps without non-return valve (type HTP) and steering pumps with integral non-return valve and pressure relief valve (type HTPR).

Type 20

Specifications:

- Capacity: 19,7 cm³/rev.
- Number of pistons: 5
- Weight without valve: 3.3 kg
- Weight with valve: 4,1 kg



HTP20



HTP20R

Type 30

Specifications:

- Capacity: 30,0 cm³/rev.
- Number of pistons: 5
- Weight without valve: 3.3 kg
- Weight with valve: 4,1 kg



HTP30



HTP30R

Type 42

Specifications:

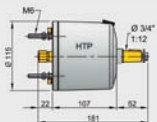
- Capacity: 42,0 cm³/rev.
- Number of pistons: 7
- Weight without valve: 3.3 kg
- Weight with valve: 4,1 kg



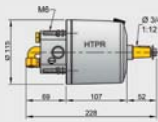
HTP42



HTP42R



HTP



HTPR

This table shows which pump matches with which type of cylinder.

	Pump type 20	Pump type 30	Pump type 42
<p>Stroke: 150 mm Volume: 67 cm³ Length of tiller arm: 129 mm Weight: 1.8 kg</p>	<p>Wheel turns: 3.4</p> <p>Max. Torque: 294 Nm (30 kgm) (216 ft.lbs) Tubing: nylon hose Ø 6 x Ø 8 mm</p>	N/A	N/A
<p>Stroke: 160 mm Volume: 104 cm³ Length of tiller arm: 140 mm Weight: 3.4 kg</p>	<p>Wheel turns: 5.3</p> <p>Max. Torque: 510 Nm (52 kgm) (376 ft.lbs). Torque at 35° and 56 kg/cm²: 412 Nm (42 kgm) (304 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or copper Ø 8 x Ø 10 mm</p>	<p>Wheel turns: 3.5</p> <p>Max. Torque: 510 Nm (52 kgm) (376 ft.lbs). Torque at 35° and 56 kg/cm²: 412 Nm (42 kgm) (304 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or Ø 8 x Ø 12 mm or copper Ø 8 x Ø 10 mm</p>	N/A
<p>Stroke: 225 mm Volume: 146 cm³ Length of tiller arm: 196 mm Weight: 3.8 kg</p>	<p>Wheel turns: 7.5</p> <p>Max. Torque: 706 Nm (72 kgm) (521 ft.lbs). Torque at 35° and 56 kg/cm²: 589 Nm (60 kgm) (434 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or copper Ø 8 x Ø 10 mm</p>	<p>Wheel turns: 4.9</p> <p>Max. Torque: 706 Nm (72 kgm) (376 ft.lbs). Torque at 35° and 56 kg/cm²: 589 Nm (60 kgm) (434 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or Ø 8 x Ø 12 mm or copper Ø 8 x Ø 10 mm</p>	<p>Wheel turns: 3.5</p> <p>Max. Torque: 706 Nm (72 kgm) (376 ft.lbs). Torque at 35° and 56 kg/cm²: 589 Nm (60 kgm) (434 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or Ø 8 x Ø 12 mm or copper Ø 8 x Ø 10 mm</p>
<p>Stroke: 160 mm Volume: 253 cm³ Length of tiller arm: 140 mm Weight: 7.1 kg</p>	N/A	<p>Wheel turns: 8.5</p> <p>Max. Torque: 1226 Nm (125 kgm) (904 ft.lbs). Torque at 35° and 56 kg/cm²: 981 Nm (100 kgm) (723 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or Ø 8 x Ø 12 mm or copper Ø 8 x Ø 10 mm</p>	<p>Wheel turns: 6.1</p> <p>Max. Torque: 1226 Nm (125 kgm) (904 ft.lbs). Torque at 35° and 56 kg/cm²: 981 Nm (100 kgm) (723 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or Ø 8 x Ø 12 mm or copper Ø 8 x Ø 10 mm</p>
<p>Stroke: 225 mm Volume: 356 cm³ Length of tiller arm: 196 mm Weight: 8 kg</p>	N/A	N/A	<p>Wheel turns: 8.5</p> <p>Max. Torque: 1717 Nm (175 kgm) (1266 ft.lbs). Torque at 35° and 56 kg/cm²: 1373 Nm (140 kgm) (1013 ft.lbs) Tubing: nylon hose Ø 6 x Ø 10 mm or Ø 8 x Ø 12 mm or copper Ø 8 x Ø 10 mm</p>