


MAXIMATOR®

Technical Sheet Release: 7/2000	M37(L)	Oil service					
	M37(L)VE	Water service					
 <p style="text-align: center;">M37(L) Single acting, single air drive head (Standard = Bottom inlet)</p>	Technical Data:						
	Air Drive Pressure:	1–10 bar/14,5–145 psi					
	Calculated Outlet Pressure at an air drive of 10 bar / 145 psi	470 bar/ 6,670 psi					
	Pressure ratio:	1 : 47					
	Displacement Volume/Double Stroke:	2.8 cm ³ / 0.17 cu.inch					
	Connections:						
	Inlet:	Standard: Bottom inlet 3/8 BSP					
	Outlet:	3/8 BSP					
	Air Drive:	3/8 BSP					
	Maximum Operating Temperature:	60°C					
	Net weight:	2.8 kg					
	<i>Pressure and flow performances, please see enclosed graph.</i>						
	Wetted materials of construction:	Seal Package:	<table border="1"> <tr> <td>M37(L):</td> <td>Polyurethane, Buna N</td> </tr> <tr> <td>M37(L)VE</td> <td>UHMWPE, Viton</td> </tr> </table>	M37(L):	Polyurethane, Buna N	M37(L)VE	UHMWPE, Viton
		M37(L):	Polyurethane, Buna N				
M37(L)VE		UHMWPE, Viton					
Pump Body:		1.4305					
Piston:		1.4112 (hardened)					
Fittings:	1.4104						
Approximate Dimensions:							
	Height:	195 mm					
	Depth:	104 mm					
	Width:	112 mm					
Available Options:							
	Seal material for oil service (standard):	M37(L)					
	Seal material for water service:	M37(L)VE					
	Side inlet:	M37(L) S / M37(L)VE S					
	Hand lever/Spring return:	M37- HL (only available with seal package Polyurethane, Buna N)					
	External pilot port modification:	M37(L)- DIR					
	Special inlet and outlet ports, i.e. NPT	M37(L)- NPT M37(L)VE- NPT					
Special seal material to handle special fluids on request.							
Available Accessories:							
Air control units for M series with filter pressure regulator, control pressure gauge and shut-off valve:	M37(L) with C1						
To protect the pump against excessive outlet pressures or to limit the outlet pressure, a safety valve can be fitted to the air control unit in the air drive line:	M37(L) with C1/SVair (The required outlet pressure has to be indicated.)						

Please consult factory for more information.

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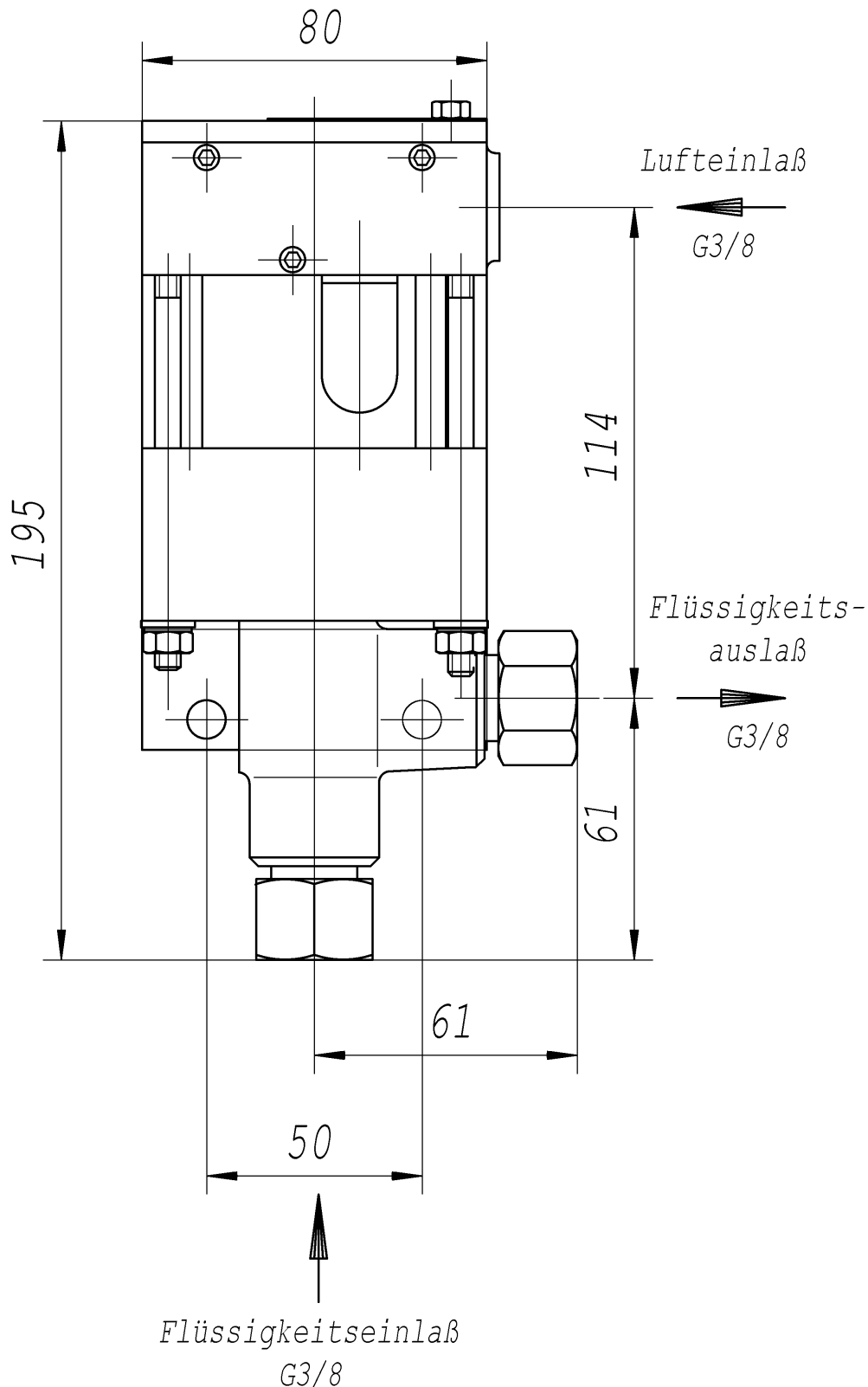
37449 Zorge/Germany, Walkenrieder Str. 15, Tel.: ++49 (0) 5586 803 0, Fax: ++49 (0) 5586 803 40

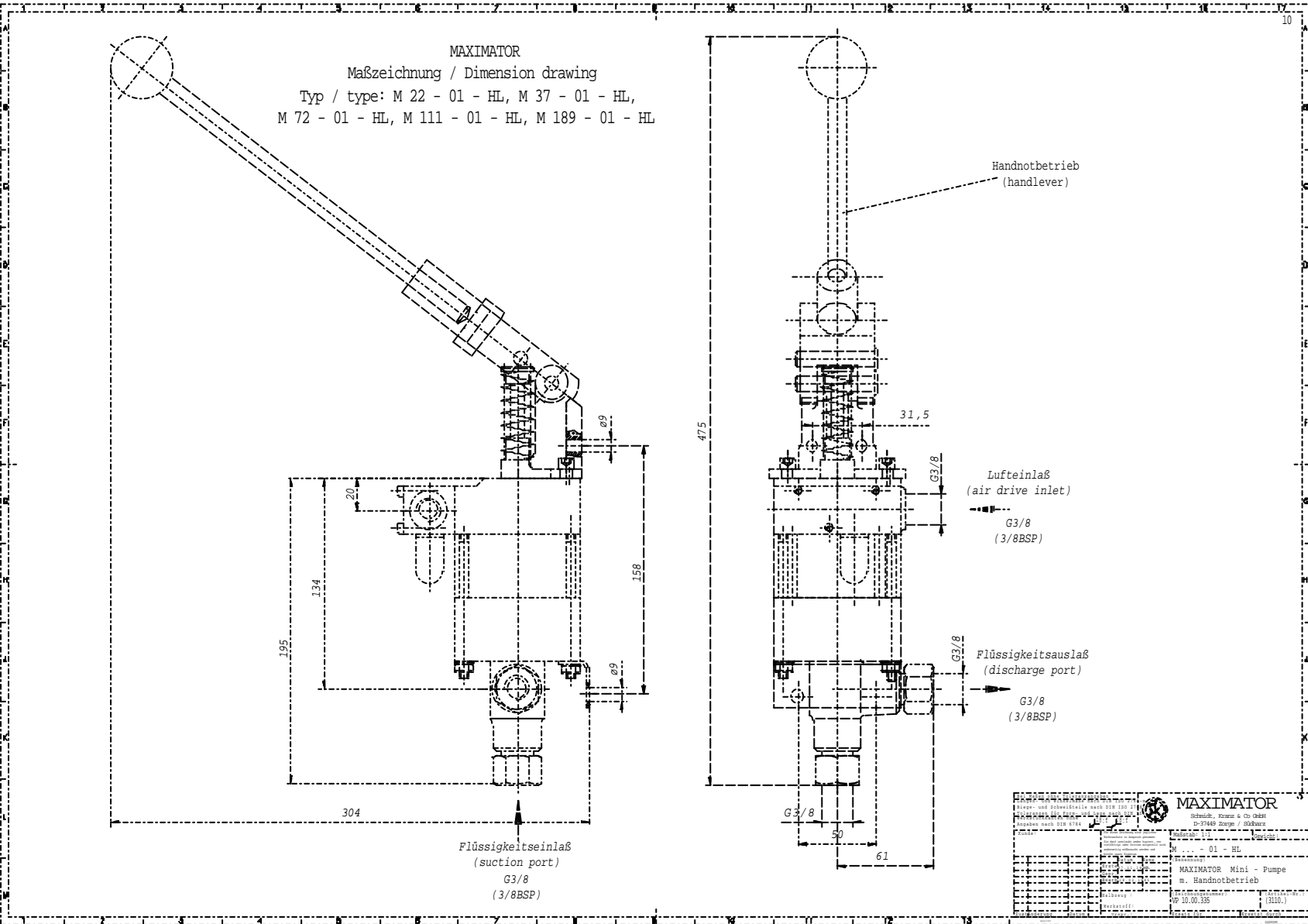
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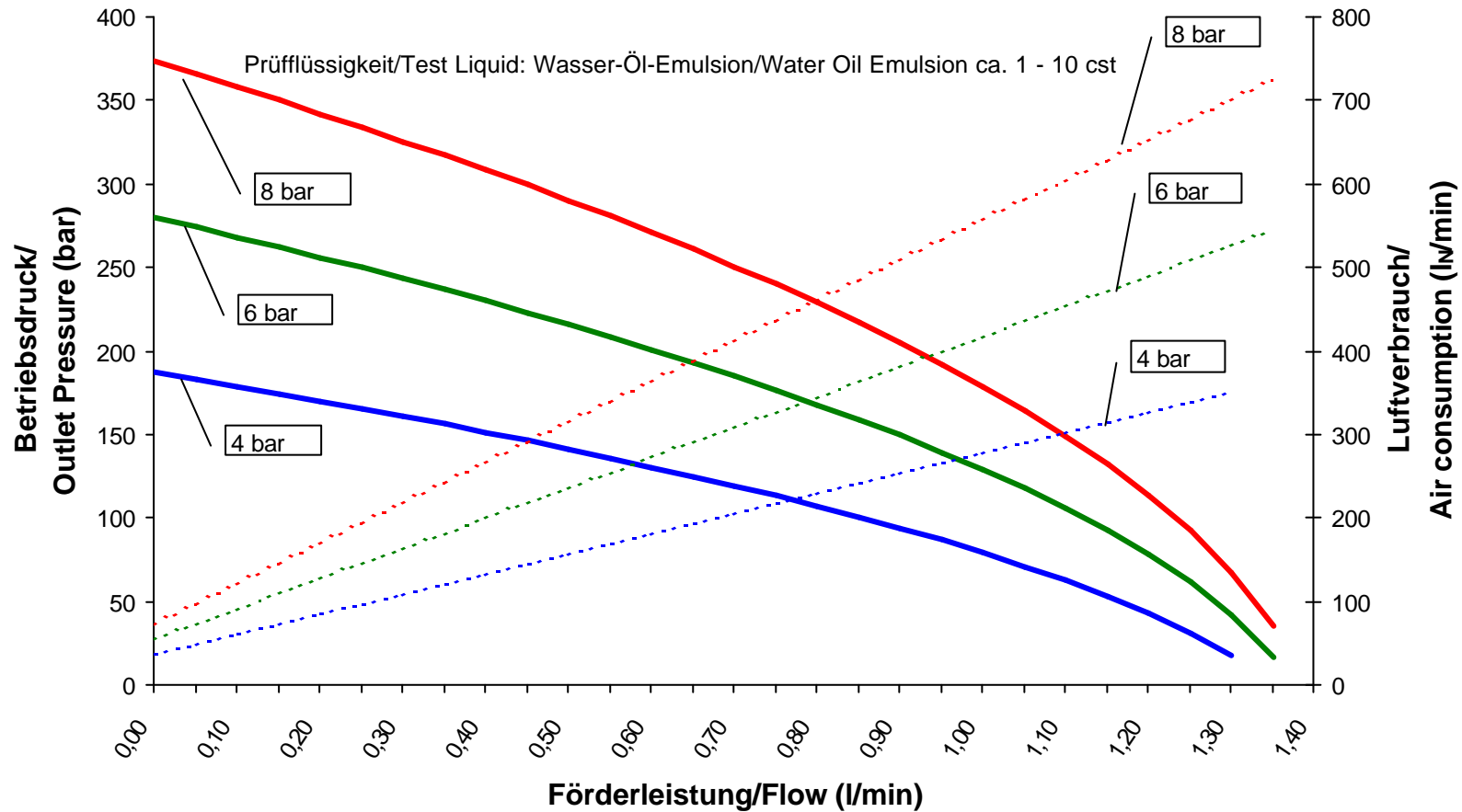
Dimension Drawing M 37

Lufteinlaß = Air Drive Inlet
Flüssigkeitseinlaß = Liquid Inlet
Flüssigkeitsauslaß = Liquid Outlet
Standard pump comes with BSP ports and bottom inlet.





Leistungsdiagramm/Performance Graph M 37



- Betriebsdruck bei/Outlet Pressure at 4 bar
- Betriebsdruck bei/Outlet Pressure at 6 bar
- Betriebsdruck bei/Outlet Pressure at 8 bar
- Luftverbrauch bei/Air consumption at 4 bar
- Luftverbrauch bei/Air consumption at 6 bar
- Luftverbrauch bei/Air consumption at 8 bar