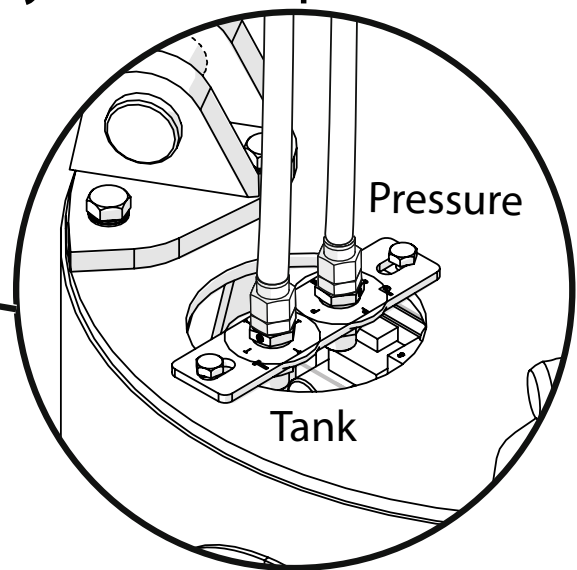


## Hydraulic inputs



		HMAG PRO 700 - 21	HMAG PRO 900 - 34	HMAG PRO 1200 - 49	HMAG PRO 1400 - 57
<b>CONNECTIONS</b>					
Pressure line	P	BSP 1/2"	BSP 1/2"	BSP 1/2"	BSP 3/4"
Return line	T	BSP 1/2"	BSP 1/2"	BSP 3/4"	BSP 1"

## QUICK GUIDE

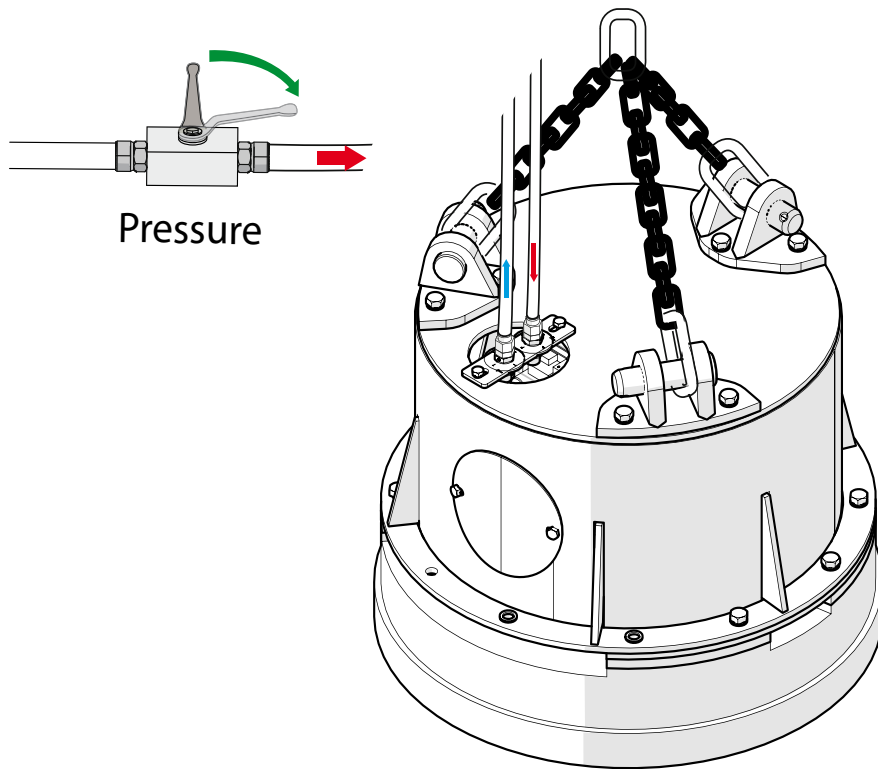
### HYDRAULIC MAGNET GENERATORS



**HMAG PRO 700    HMAG PRO 1200**  
**HMAG PRO 900    HMAG PRO 1400**

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The hydraulic magnet is started by opening the hydraulic control valve.

		<b>HMAG PRO 700 - 21</b>	<b>HMAG PRO 900 - 34</b>	<b>HMAG PRO 1200 - 49</b>	<b>HMAG PRO 1400 - 57</b>
<b>HYDRAULIC POWER REQUIREMENTS</b>					
Flow min.	<b>l/min (gpm)</b>	23 (6.1)	37 (9.8)	53 (14.0)	63(16.6)
Pressure min.	<b>bar (psi)</b>	190 (2800)			
Pressure max.	<b>bar (psi)</b>	350 (5000)			
<b>HYDRAULIC FLUID REQUIREMENTS</b>					
Viscosity	<b>cSt</b>	10-200 / optimum 25-35			
Temperature hydraulic fluid	<b>°C(°F)</b>	max. 70 (158) *			
Filter ratio	<b>µm</b>	25 or better			
Cleanliness level	<b>ISO 4406</b>	19/17/14			

\*Depending on hydraulic fluid. Read more at manual chapter 6.2 "Hydraulic fluids"

READ THE DETAILED SAFETY, OPERATING AND INSTALLATION INSTRUCTIONS FROM THE USER MANUAL!

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# HYDRAULIC MAGNETS TECHNICAL SPECIFICATIONS

## 10. TECHNICAL SPECIFICATIONS

STANDARD MODELS		HMAG PRO 700 21	HMAG PRO 900 34	HMAG PRO 1200 49	HMAG PRO 1400 59
<b>OUTPUT CHARACTERISTICS</b>					
Generator power	<b>kW</b>	3	6	10	12
Magnet coil power	<b>KW</b>	2,7	5,5	9,5	11
Operating voltage	<b>VDC</b>	220±5%			
Operation control		Hydraulic			
Magnet coils allowed resistance (20 °C)	<b>Ohm</b>	16,1 ± 5%	9,9 ± 5%	8,8 ± 5%	5,4 ± 5%
<b>HYDRAULIC CONNECTION</b>					
Pressure line P	<b>P</b>	BSP 1/2"	BSP 1/2"	BSP 1/2"	BSP 3/4"
Return line T	<b>T</b>	BSP 1/2"	BSP 1/2"	BSP 1/2"	BSP 1"
<b>NOMINAL LIFTING CAPACITY</b>					
Tear-off w/ air gap Ø/300	<b>kg (lbs)</b>	5500 (12100)	10500 (23100)	15000 (33000)	34000 (74800)
Slabs, blocks	<b>kg (lbs)</b>	2700 (5490)	5250 (11550)	7500 (16500)	9500 (20900)
Cast iron pigs	<b>kg (lbs)</b>	105 (231)	230 (506)	410 (902)	1100 (2420)
Scrap, kg	<b>grade 3A, kg (lbs)</b>	80 (176)	200 (440)	370 (814)	1000 (2200)
	<b>grade 24, kg (lbs)</b>	70 (154)	190 (418)	360 (792)	900 (1980)
	<b>grade 40, kg (lbs)</b>	40 (88)	100 (220)	190 (418)	480 (1050)
<b>HYDRAULIC POWER REQUIREMENTS</b>					
Flow min.	<b>l/min (gpm)</b>	23 (6.1)	37 (9.8)	53 (14.0)	63 (16.6)
Required system pressure min.	<b>bar (psi)</b>	190 (2800)	190 (2800)	190 (2800)	190 (2800)
Pressure max.	<b>bar (psi)</b>	350 (5000)	350 (5000)	350 (5000)	350 (5000)
<b>HYDRAULIC FLUID REQUIREMENTS</b>					
Viscosity	<b>cSt</b>	10-200 / optimum 25-35			
Temperature	<b>°C (°F)</b>	max. 70 (158)*			
Filter ratio	<b>um</b>	25 or better			
Cooling capacity requirements **	<b>kW</b>	1,4	2,4	3,1	3,5
<b>OVERALL DIMENSIONS</b>					
Diameter Ø	<b>mm (in)</b>	720 (28.3)	950 (37.4)	1250 (49.2)	1450 (57.1)
Height	<b>mm (in)</b>	640 (25.5)	780 (31.2)	830 (32.7)	780 (30.7)
Weight (with chains)	<b>kg (lbs)</b>	440 (968)	900 (1980)	1550 (3410)	1700 (3740)

Gallons are U.S. liquid gallons.

\* Ref. to hydraulic fluids in chapter 6.2

\*\* Cooling capacity for the HMAG PRO taken from the base machine.