

Multi purpose cylinders - spring return

# Feel the power

50 models

The highest quality

The new standard

 **holmatro**  
mastering power

The background image shows a workshop environment. On the left, a bicycle is mounted on a yellow and black metal repair stand. To the right, on a wooden workbench, sits a large orange hydraulic cylinder with the 'holmatro' logo printed vertically in black. A black coiled cable lies next to it. The scene is lit with warm, industrial-style lights, creating a professional and technical atmosphere.


### **Mastering power**

Holmatro has developed, produced, tested and delivered hydraulic tools and systems for industrial applications and technical assistance for almost half a century. Our ambition is to find result-oriented solutions that combine working with extreme forces with controllability, convenience and safety. Your wishes and user's experiences are at the core of this process.

Holmatro is a Dutch company that is standing by to help you anywhere in the world. With state-of-the-art production facilities in the Netherlands and the United States, a dedicated team and an extensive dealer network we offer innovative, high quality products that you can trust. This is what we stand for.

We have great talent in converting ideas into products. It is an ongoing process in which different departments work closely together on cutting edge developments. Moreover, the most stringent possible quality standards are enforced. This is why we can state with sincerity that our products are unique and of an extremely high quality. See for yourself.

*Feel the power*



## Holmatro multi purpose cylinders the new standard

Using the latest technologies as a starting point, our engineers have once again succeeded in putting the multi purpose cylinder concept into practice. The result: **the** Holmatro range that offers appropriate solutions for the most varied applications. With the large number of models in the range and the high quality of the multi purpose cylinders, Holmatro has set the new standard.

## Holmatro multi purpose cylinders - the new standard

### 50 Models

Holmatro's multi purpose cylinder range is the most extensive on the market. We offer no less than 50 different models, fitted with base mounting holes and collar thread. There is also internal plunger thread on all models to 50 tons. The choice is yours.



### High quality

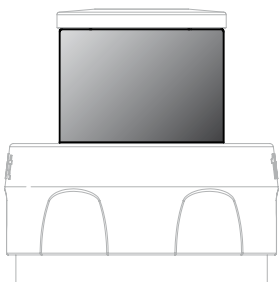
Controlling unimaginable power safely and easily. You must be able to rely on your tools in all situations and conditions. They must be durable and robust. That is why you choose quality. That is why you choose Holmatro.

All plungers have a **Duplex Power Coating**. The nickel coating makes the plungers corrosion-resistant – the hard chrome top layer protects the plunger against scratches and prevents the adhesion of objects such as welding spatters.

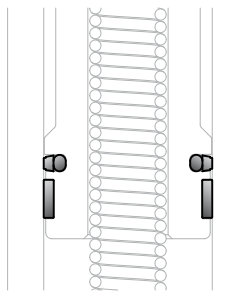
The unique **Duo Power Ring** concept is a combination of a superior seal and an extremely strong composite bearing. This unique combination lengthens the lifespan of the tool, enabling you to profit from a longer service life.

The **Thread Protector** is a robust protective ring that protects the thread on the cylinder housing. The protector has a handy tonnage indication.

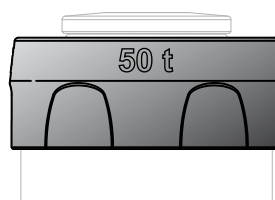
The **XL Saddle\*** covers the top of the plunger, which means that it is always protected against damage. This saddle also ensures that the load is transferred optimally to the plunger, thereby limiting undesired eccentric loads. Furthermore, the QPQ treatment gives this type of type XL Saddle long term protection against corrosion.



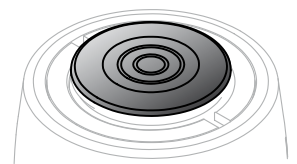
**DUPLEX POWER COATING**



**DUO POWER RING**



**THREAD PROTECTOR**



**XL SADDLE\***

**A brief summary of the advantages of multi purpose cylinders:**

- a range of 50 models with different tonnages and stroke lengths
- collar thread and base mounting holes
- internal plunger thread on all models to 50 tons
- Duplex Power Coating makes the plunger corrosion-resistant
- Duo Power Ring: seal and bearing for long life span
- Thread Protector protects the thread on the cylinder housing
- XL Saddle+ protects the plunger and limits eccentric loads

**You acquire some tools when you need them, and Holmatro's multi purpose cylinders are the tools that must be included in the standard equipment of every professional.**



Base mounting holes



Internal plunger thread



Protective ring with tonnage indication



Corrosion-resistant plunger and saddle

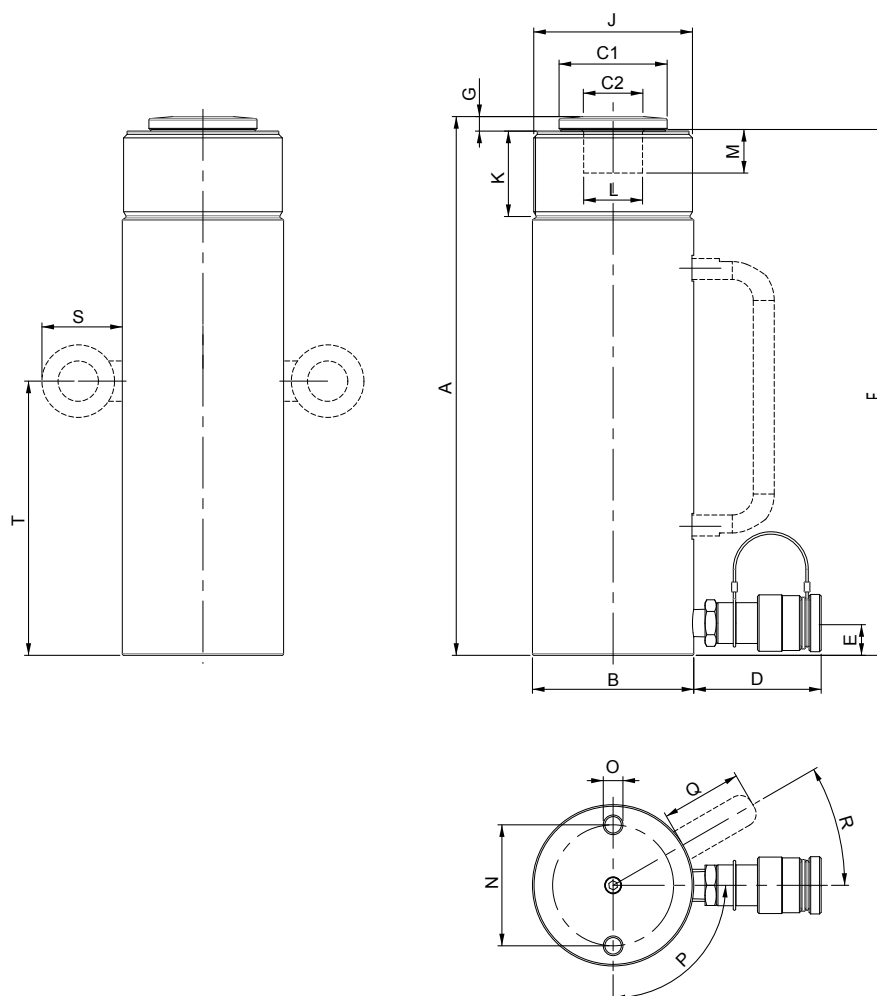
## Multi purpose cylinders - spring return - 5 ton



model		HGC 5 S 2,5	HGC 5 S 5	HGC 5 S 7,5	HGC 5 S 10	HGC 5 S 12,5	HGC 5 S 17,5	HGC 5 S 22,5
art no		100.112.211	100.112.212	100.112.213	100.112.214	100.112.215	100.112.216	100.112.217
working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	5	5	5	5	5	5	5
stroke length	mm	25	50	75	100	125	175	225
closed height	mm	105	130	155	180	206	268	318
capacity	kN/t	51 / 5.2	51 / 5.2	51 / 5.2	51 / 5.2	51 / 5.2	51 / 5.2	51 / 5.2
oil content	cm <sup>3</sup>	18	35	53	71	88	124	159
effective pressure area	cm <sup>2</sup>	7.1	7.1	7.1	7.1	7.1	7.1	7.1
weight	kg	1.1	1.3	1.5	1.7	1.8	2.3	2.6
maintenance set	art no	100.013.189	100.013.189	100.013.189	100.013.189	100.013.189	100.013.190	100.013.190
recommended pump	model	HTW 300 B	HTW 300 B	HTW 300 B	HTW 300 B	HTW 300 B	HTW 300 B	HTW 300 B
pressure gauge	model	A 501	A 501	A 501	A 501	A 501	A 501	A 501

## Dimensions

A	mm	105	130	155	180	206	268	318
B	mm	40	40	40	40	40	40	40
C1	mm	27	27	27	27	27	27	27
C2	mm	15	15	15	15	15	15	15
D	mm	80	80	80	80	80	80	80
E	mm	20	20	20	20	20	20	20
F	mm	102	127	152	177	203	265	315
G	mm	4	4	4	4	4	4	4
J		1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN
K	mm	30	30	30	30	30	30	30
L		¾"-16-UNF	¾"-16-UNF	¾"-16-UNF	¾"-16-UNF	¾"-16-UNF	¾"-16-UNF	¾"-16-UNF
M	mm	20	20	20	20	20	20	20
N	mm	25	25	25	25	25	25	25
O		M6x9 (2x)	M6x9 (2x)	M6x9 (2x)	M6x9 (2x)	M6x9 (2x)	M6x9 (2x)	M6x9 (2x)
P		90°	90°	90°	90°	90°	90°	90°



**Multi purpose cylinders - spring return - 10 ton**


model		HGC 10 S 2,5	HGC 10 S 5	HGC 10 S 10	HGC 10 S 15	HGC 10 S 20	HGC 10 S 25	HGC 10 S 30	HGC 10 S 35	HGC 10 S 40
art no		100.112.218	100.112.219	100.112.220	100.112.221	100.112.222	100.112.223	100.112.224	100.112.225	100.112.226
working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	10	10	10	10	10	10	10	10	10
stroke length	mm	25	50	100	150	200	250	300	350	400
closed height	mm	97	122	172	240	290	340	390	440	490
capacity	kN/t	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2
oil content	cm <sup>3</sup>	35	69	139	208	277	346	416	485	554
effective pressure area	cm <sup>2</sup>	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
weight	kg	2.1	2.5	3.4	4.6	5.5	6.4	7.3	8.1	9.0
maintenance set	art no	100.013.191	100.013.191	100.013.191	100.013.193	100.013.193	100.013.193	100.013.193	100.013.193	100.013.193
recommended pump	model	HTW 300 B	HTW 300 B	HTW 300 B	HTW 300 B	HTS 550 A	HTS 550 A	HTS 550 A	HTW 700 A	HTW 700 A
pressure gauge	model	A 501	A 501	A 501	A 501	A 501	A 501	A 501	A 501	A 501
<b>Dimensions</b>										
A	mm	97	122	172	240	290	340	390	440	490
B	mm	60	60	60	60	60	60	60	60	60
C1	mm	38	38	38	38	38	38	38	38	38
C2	mm	21	21	21	21	21	21	21	21	21
D	mm	80	80	80	80	80	80	80	80	80
E	mm	20	20	20	20	20	20	20	20	20
F	mm	93	118	168	236	286	336	386	436	486
G	mm	5	5	5	5	5	5	5	5	5
J		2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS	2¼"-14-UNS
K	mm	31	31	31	31	31	31	31	31	31
L		1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC
M	mm	20	20	20	20	20	20	20	20	20
N	mm	40	40	40	40	40	40	40	40	40
O		M8x12 (2x)	M8x12 (2x)	M8x12 (2x)	M8x12 (2x)	M8x12 (2x)	M8x12 (2x)	M8x12 (2x)	M8x12 (2x)	M8x12 (2x)
P		90°	90°	90°	90°	90°	90°	90°	90°	90°



1. HGC 5 S 17,5
2. HGC 10 S 2,5
3. HGC 15 S 20
4. HGC 25 S 2,5
5. HGC 35 S 10
6. HGC 50 S 25
7. HGC 75 S 15
8. HGC 100 S 10



## Multi purpose cylinders - spring return

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### Multi purpose cylinders - spring return - 15 ton



model		HGC 15 S 2,5	HGC 15 S 5	HGC 15 S 10	HGC 15 S 15	HGC 15 S 20	HGC 15 S 25	HGC 15 S 30	HGC 15 S 35	HGC 15 S 40
art no		100.112.227	100.112.228	100.112.229	100.112.230	100.112.231	100.112.232	100.112.233	100.112.234	100.112.235
working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
<b>tonnage</b>	<b>t</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>stroke length</b>	<b>mm</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>
<b>closed height</b>	<b>mm</b>	<b>123</b>	<b>148</b>	<b>198</b>	<b>265</b>	<b>315</b>	<b>365</b>	<b>415</b>	<b>465</b>	<b>515</b>
capacity	kN/t	171 / 17.4	171 / 17.4	171 / 17.4	171 / 17.4	171 / 17.4	171 / 17.4	171 / 17.4	171 / 17.4	171 / 17.4
oil content	cm <sup>3</sup>	59	119	238	356	475	594	713	832	950
effective pressure area	cm <sup>2</sup>	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
weight	kg	3.4	3.9	4.9	6.4	7.4	8.4	9.4	10.5	11.5
maintenance set	art no	100.013.194	100.013.194	100.013.194	100.013.195	100.013.195	100.013.195	100.013.195	100.013.195	100.013.195
recommended pump	model	HTW 300 B	HTW 300 B	HTW 300 B	HTS 550 A	HTW 700 A	HTW 700 A	HTW 1800 B	HTW 1800 B	HTW 1800 B
pressure gauge	model	A 512	A 512	A 512	A 512	A 512	A 512	A 512	A 512	A 512
<b>Dimensions</b>										
A	mm	123	148	198	265	315	365	415	465	515
B	mm	70	70	70	70	70	70	70	70	70
C1	mm	47	47	47	47	47	47	47	47	47
C2	mm	23	23	23	23	23	23	23	23	23
D	mm	80	80	80	80	80	80	80	80	80
E	mm	20	20	20	20	20	20	20	20	20
F	mm	117	142	192	259	309	359	409	459	509
G	mm	7	7	7	7	7	7	7	7	7
J		2¾"-16-UN	2¾"-16-UN	2¾"-16-UN	2¾"-16-UN	2¾"-16-UN	2¾"-16-UN	2¾"-16-UN	2¾"-16-UN	2¾"-16-UN
K	mm	31	31	31	31	31	31	31	31	31
L		1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC	1"-8-UNC
M	mm	27	27	27	27	27	27	27	27	27
N	mm	48	48	48	48	48	48	48	48	48
O		M10x15 (2x)	M10x15 (2x)	M10x15 (2x)	M10x15 (2x)	M10x15 (2x)	M10x15 (2x)	M10x15 (2x)	M10x15 (2x)	M10x15 (2x)
P		90°	90°	90°	90°	90°	90°	90°	90°	90°

### Multi purpose cylinders - spring return - 25 ton



model		HGC 25 S 2,5	HGC 25 S 5	HGC 25 S 10	HGC 25 S 15	HGC 25 S 20	HGC 25 S 25	HGC 25 S 30	HGC 25 S 35	HGC 25 S 45
art no		100.112.236	100.112.237	100.112.238	100.112.239	100.112.240	100.112.241	100.112.242	100.112.243	100.112.244
working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
<b>tonnage</b>	<b>t</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>
<b>stroke length</b>	<b>mm</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>450</b>
<b>closed height</b>	<b>mm</b>	<b>138</b>	<b>165</b>	<b>215</b>	<b>265</b>	<b>315</b>	<b>374</b>	<b>424</b>	<b>474</b>	<b>574</b>
capacity	kN/t	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4	239 / 24.4
oil content	cm <sup>3</sup>	83	166	332	498	664	830	996	1161	1493
effective pressure area	cm <sup>2</sup>	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
weight	kg	5.5	6.4	8.0	9.7	11.3	13.3	14.9	16.5	19.8
maintenance set	art no	100.013.196	100.013.196	100.013.196	100.013.196	100.013.196	100.013.197	100.013.197	100.013.197	100.013.197
recommended pump	model	HTW 300 B	HTW 300 B	HTS 550 A	HTW 700 A	HTW 1800 B	HTW 1800 B	HTW 1800 B	HTW 1800 B	HTW 1800 B
pressure gauge	model	A 502	A 502	A 502	A 502	A 502	A 502	A 502	A 502	A 502
<b>Dimensions</b>										
A	mm	138	165	215	265	315	374	424	474	574
B	mm	85	85	85	85	85	85	85	85	85
C1	mm	57	57	57	57	57	57	57	57	57
C2	mm	32	32	32	32	32	32	32	32	32
D	mm	80	80	80	80	80	80	80	80	80
E	mm	20	20	20	20	20	20	20	20	20
F	mm	132	159	209	259	309	368	418	468	568
G	mm	7	7	7	7	7	7	7	7	7
J		3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN	3 ¾"-12-UN
K	mm	55	55	55	55	55	55	55	55	55
L		1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN	1½"-16-UN
M	mm	27	27	27	27	27	27	27	27	27
N	mm	60	60	60	60	60	60	60	60	60
O		M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)
P		90°	90°	90°	90°	90°	90°	90°	90°	90°
Q	mm	-	-	-	50	50	50	50	50	50
R		-	-	-	40°	40°	0°	0°	0°	0°

## Multi purpose cylinders - spring return - 35 and 50 ton



model		HGC 35 S 5	HGC 35 S 10	HGC 35 S 15	HGC 35 S 20	HGC 50 S 5	HGC 50 S 10	HGC 50 S 15	HGC 50 S 20	HGC 50 S 25	HGC 50 S 35
art no		100.112.245	100.112.246	100.112.247	100.112.248	100.112.249	100.112.250	100.112.251	100.112.252	100.112.253	100.112.254
working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	35	35	35	35	50	50	50	50	50	50
stroke length	mm	50	100	150	200	50	100	150	200	250	350
closed height	mm	184	234	284	334	176	226	276	326	376	476
capacity	kN/t	362 / 36.9	362 / 36.9	362 / 36.9	362 / 36.9	510 / 52	510 / 52	510 / 52	510 / 52	510 / 52	510 / 52
oil content	cm <sup>3</sup>	251	503	754	1005	354	709	1063	1418	1772	2481
effective pressure area	cm <sup>2</sup>	50.3	50.3	50.3	50.3	70.9	70.9	70.9	70.9	70.9	70.9
weight	kg	9.3	11.4	13.5	15.5	15.1	18.9	22.6	26.4	30.1	37.5
maintenance set	art no	100.013.198	100.013.198	100.013.198	100.013.198	100.013.199	100.013.199	100.013.199	100.013.199	100.013.199	100.013.199
recommended pump	model	HTW 300 B	HTW 700 A	HTW 1800 B	HTW 1800 B	HTS 550 A	HTW 1800 B	HTW 1800 B	HTW 1800 B	HTW 2200 A	HTW 5800 B
pressure gauge	model	A 512	A 512	A 512	A 512	A 503	A 503	A 503	A 503	A 503	A 503
<b>Dimensions</b>											
A	mm	184	234	284	334	176	226	276	326	376	476
B	mm	100	100	100	100	127	127	127	127	127	127
C1	mm	67	47	47	47	82	82	82	82	82	82
C2	mm	37	37	37	37	55	55	55	55	55	55
D	mm	80	80	80	80	80	80	80	80	80	80
E	mm	20	20	20	20	25	25	25	25	25	25
F	mm	176	226	276	326	170	220	270	320	370	470
G	mm	9	9	9	9	8	8	8	8	8	8
J		3/8"-12-UN	3/8"-12-UN	3/8"-12-UN	3/8"-12-UN	5"-12-UN	5"-12-UN	5"-12-UN	5"-12-UN	5"-12-UN	5"-12-UN
K	mm	55	55	55	55	57	57	57	57	57	57
L	mm	1 1/2"-16-UN	1 1/2"-16-UN	1 1/2"-16-UN	1 1/2"-16-UN	65	65	65	65	65	65
M	mm	27	27	27	27	10	10	10	10	10	10
N	mm	75	75	75	75	85	85	85	85	85	85
O		M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)	M12x18 (2x)
P		90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Q	mm	-	50	50	50	-	50	50	-	-	-
R		-	40°	40°	0°	-	40°	40°	-	-	-
S	mm	-	-	-	-	-	-	-	54	54	54
T	mm	-	-	-	-	-	-	-	180	210	255

## Multi purpose cylinders - spring return - 75 and 100 ton



model		HGC 75 S 15	HGC 75 S 35	HGC 100 S 5	HGC 100 S 10	HGC 100 S 15	HGC 100 S 25
art no		100.112.255	100.112.256	100.112.257	100.112.258	100.112.259	100.112.260
working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
tonnage	t	75	75	100	100	100	100
stroke length	mm	150	350	50	100	150	250
closed height	mm	285	485	218	268	318	418
capacity	kN/t	748 / 76.2	748 / 76.2	1031 / 105	1031 / 105	1031 / 105	1031 / 105
oil content	cm <sup>3</sup>	1558	3635	716	1431	2147	3579
effective pressure area	cm <sup>2</sup>	103.9	103.9	143.1	143.1	143.1	143.1
weight	kg	30.9	50.0	35.3	42.2	50.0	64.1
maintenance set	art no	100.013.200	100.013.200	100.013.202	100.013.202	100.013.202	100.013.202
recommended pump	model	HTW 2200 A	HTW 5800 B	HTW 1800 B	HTW 1800 B	HTW 5800 B	HTW 5800 B
pressure gauge	model	A 504	A 504	A 504	A 504	A 504	A 504
<b>Dimensions</b>							
A	mm	285	485	218	268	318	418
B	mm	147	147	175	175	175	175
C1	mm	97	97	117	117	117	117
C2	mm	62	62	72	72	72	72
D	mm	80	80	80	80	80	80
E	mm	25	25	30	30	30	30
F	mm	279	479	210	260	310	410
G	mm	8	8	10	10	10	10
J		5/8"-12-UN	5/8"-12-UN	3/4" 6"-12-UN	3/4" 6"-12-UN	3/4" 6"-12-UN	3/4" 6"-12-UN
K	mm	57	57	57	57	57	57
L	mm	75	75	80	80	80	80
M	mm	10	10	10	10	10	10
N	mm	115	115	146	146	146	146
O		M12x18 (2x)	M12x18 (2x)	M12x24 (4x)	M12x24 (4x)	M12x24 (4x)	M12x24 (4x)
P		90°	90°	45°	45°	45°	45°
Q	mm	-	-	-	-	-	-
R		-	-	-	-	-	-
S	mm	54	54	54	54	54	54
T	mm	165	260	125	150	175	225



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