

# BENCOR (Pty) Ltd.

Pumps



## Hydraulic power packs type MP

The ready for connection hydraulic power packs are intended for intermittent or load/no load operation and are used to supply pressurized fluid to hydraulic consumers.

This type is suitable for dual stage drives for presses or dual circuit systems, particularly by the possible combination of high and low pressure stage (radial piston and gear pump) or two low pressure stages.

The tank is available in different sizes enabling convenient customization.

Complete hydraulic control systems can be created by directly mounting various combinations of connection blocks and valve banks to the hydraulic power pack.



**Nomenclature:** Radial piston and/or gear pump with integrated motor single or dual circuit pump

**Design:** Oil immersed hydraulic power pack for intermittent or load/no load operation (S 3-/S 6-service)

**p<sub>max</sub><sup>1</sup>:** Radial piston pump  
700 bar (high pressure)  
Gear pump  
150 bar (low pressure)

**Q<sub>max</sub><sup>1</sup>:** 15 l/min (high pressure)  
(V<sub>g</sub> = 10,7 cm<sup>3</sup>/rev)  
87 l/min (low pressure)  
(V<sub>g</sub> = 60 cm<sup>3</sup>/rev)

**V<sub>tank max</sub><sup>1</sup>:** approx. 74 l/min

### Basic types and general parameters (selection)

Basic type and size Parameter: Delivery flow Q<sub>pu</sub> (l/min) approximate reference value and max. pressure P<sub>max</sub> (bar)<sup>1)</sup>

Basic type and size	Coding	Radial piston pump					Gear pump			
		H 0,27	H 0,42	H 0,64	H 0,81	H 1,1	Z 0,5	Z 1,8	Z 3,5	Z 6,9
MP 14	Coding	H 0,27	H 0,42	H 0,64	H 0,81	H 1,1	Z 0,5	Z 1,8	Z 3,5	Z 6,9
	Q <sub>max</sub>	0,27	0,42	0,64	0,82	1,07	0,5	1,85	3,5	6,9
	P <sub>max</sub>	700	570	370	280	220	150	75	40	15
MP 12	Coding	H 0,27	H 0,42	H 0,64	H 0,81	H 1,1	Z 1,0	Z 1,8	Z 2,7	Z 3,5
	Q <sub>max</sub>	0,53	0,82	1,18	1,61	2,1	2,0	3,7	5,4	6,9
	P <sub>max</sub>	700	650	420	320	250	150	110	75	60
MP 24	Coding	H 0,46	H 0,70	H 1,08	H 1,39	H 1,77	Z 2,0	Z 3,5	Z 5,2	Z 12,3
	Q <sub>max</sub>	0,46	0,7	1,0	1,37	1,73	2,0	3,5	5,2	12,3
	P <sub>max</sub>	700	650	520	400	310	150	120	80	35
MP 22	Coding	H 0,46	H 0,70	H 1,08	H 1,39	H 1,77	Z 2,0	Z 5,2	Z 9	Z 21
	Q <sub>max</sub>	0,88	1,37	1,94	2,69	3,51	4	10,2	17,1	41,3
	P <sub>max</sub>	700	650	430	320	260	150	75	45	18
MP 34	Coding	H 1,25	H 1,5	H 2,5	H 3,6	H 6,5	Z 3,5	Z 6,9	Z 12,3	Z 28
	Q <sub>max</sub>	1,2	1,63	2,54	3,66	6,3	3,5	6,9	12,3	28
	P <sub>max</sub>	700	530	340	240	135	150	100	65	30
MP 44	Coding	H 2,6	H 4,2	H 6,0	H 7,0	H 10,9	Z 3,5	Z 16	Z 24	Z 75
	Q <sub>max</sub>	2,7	4,24	6,1	7,2	10,6	3,5	16	24	75
	P <sub>max</sub>	700	540	370	315	190	150	130	90	25
MP 54	Coding	H 3,7	H 5,8	H 8,4	H 9,8	H 15,3	Z 12,3	Z 24	Z 37	Z 87
	Q <sub>max</sub>	3,8	5,9	8,5	10,0	14,8	12,3	24	37	87
	P <sub>max</sub>	700	550	420	360	210	150	120	100	40

<sup>1)</sup> The parameter listed here represent only a choice from a variety of possibilities.