

# Hand Pump

## HYDRAULIC P SERIES

**197 to 738 cm<sup>3</sup> Reservoir**  
Single-Speed  
Single-Acting

Best suited for applications where there is little or no free travel.

# PUMPS

- All metal construction, won't burn through in welding environments.
- Formed metal handle provides less flex, and reduces operator fatigue.
- Convenient fill port on P23 and P55 allows pumps to be filled in a horizontal or vertical position.
- Fill cap seal acts as safety valve preventing over-pressurizing of reservoir.
- Relief valve inboard of check valve prevents loads from drifting down.
- Large valve knob gives added control for slowly metering loads down.



P12

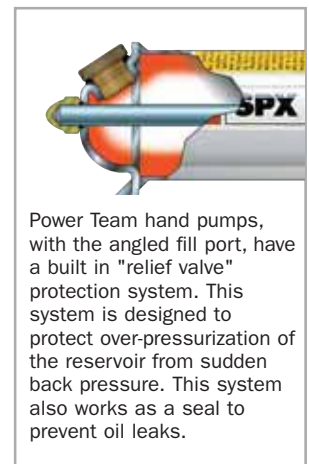
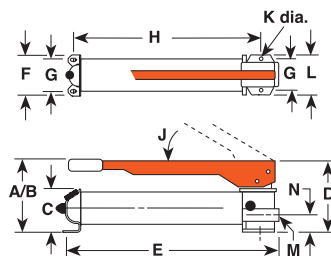


P23



P55

700 bar



Power Team hand pumps, with the angled fill port, have a built in "relief valve" protection system. This system is designed to protect over-pressurization of the reservoir from sudden back pressure. This system also works as a seal to prevent oil leaks.

Pump No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (deg.)	K (mm)	L (mm)	M (in)	N (mm)
<b>P12</b>	101,6	—	—	101,6	342,9	85,7	55,6	—	45°	4,8	85,7	3/8-NPTF	28,6
* <b>P23</b>	158,8	330,2	88,9	141,3	346,1	108,0	82,6	261,6	38°	7,9	120,7	3/8-NPTF	41,3
* The P23 pump maximum pressure is 210 bar only.													
<b>P55</b>	165,1	533,4	88,9	141,3	584,2	108,0	82,6	501,7	38°	7,9	120,7	3/8-NPTF	41,3

For Use With	Order No.	Speed	Volume & Pressure				Handle Effort (kg)	Reservoir		Oil Port (in)	Product Weight (kg)
			Volume per Stroke (cm <sup>3</sup> ) LP	Volume per Stroke (cm <sup>3</sup> ) HP	Maximum Pressure (bar) LP	Maximum Pressure (bar) HP		Oil Capacity (cm <sup>3</sup> )	Usable Oil Capacity (cm <sup>3</sup> )		
Single Acting	<b>P12</b>	1	—	1,1	—	700	34	197	148	3/8-NPTF	2,6
Cylinders*	<b>P23</b>	1	—	2,6	—	210	32	390	333	3/8-NPTF	5,5
	<b>P55</b>	1	—	2,6	—	700	66	902	738	3/8-NPTF	7,2

LP = Low Pressure  
HP = High Pressure

\* Pump includes 2-Way Valve

# Hand Pump

## HYDRAULIC P SERIES

**400 to 1131 cm<sup>3</sup>**  
**Reservoir**  
 Two-Speed  
 Single-Acting

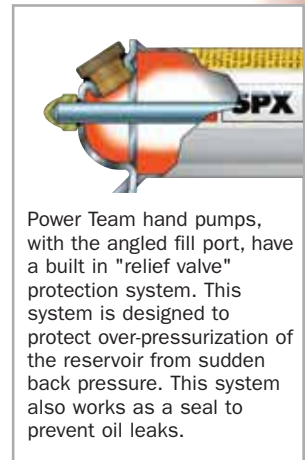
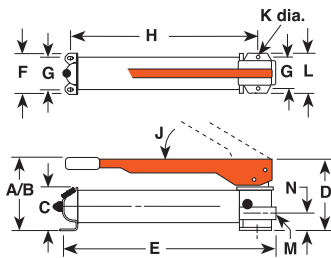
Pump automatically shifts into the high pressure lift stage upon contact with the load.

- All metal construction won't burn through in welding environments.
- Two-speed reduces handle strokes so you work faster and easier.
- Formed metal handle provides less flex, and reduces operator fatigue.
- Convenient fill port allow pumps to be filled in a horizontal or vertical position.
- Relief valve inboard of check valve prevents loads from drifting down.
- Large valve knob gives added control for slowly metering loads down.



700 bar

PUMPS



Power Team hand pumps, with the angled fill port, have a built in "relief valve" protection system. This system is designed to protect over-pressurization of the reservoir from sudden back pressure. This system also works as a seal to prevent oil leaks.

Pump No..	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (deg.)	K (mm)	L (mm)	M (in)	N (mm)
<b>P19</b>	139,7	371,5	73,0	115,9	347,7	101,6	82,6	281,0	53°	7,9	101,6	<sup>3</sup> / <sub>8</sub> -NPTF	35,7
<b>P19L</b>	141,5	—	—	—	347	104,1	82,6	281,0	40°	7,9	104,1	<sup>3</sup> / <sub>8</sub> -NPTF	—
<b>P59</b>	177,8	533,4	88,9	127,0	584,2	108,0	82,6	501,7	38°	7,9	120,7	<sup>3</sup> / <sub>8</sub> -NPTF	41,3
<b>P59L</b>	177,6	—	—	—	533,4	120,7	82,6	501,7	50°	7,9	120,7	<sup>3</sup> / <sub>8</sub> -NPTF	—
<b>P59F</b>	88,9	425,5	88,9	152,4	590,6	108,0	82,6	514,4	—	7,9	114,3	<sup>3</sup> / <sub>8</sub> -NPTF	42,9

For Use With	Order No.	Volume & Pressure				Handle Effort (kg)	Reservoir		Oil Port (in)	Product Weight (kg)	
		Speed	Volume per Stroke (cm <sup>3</sup> )		Maximum Pressure (bar)		Oil Capacity (cm <sup>3</sup> )	Usable Oil Capacity (cm <sup>3</sup> )			
Single Acting Cylinders*	<b>P19</b>	2	5,0	1,2	22	700	45	400	328	<sup>3</sup> / <sub>8</sub> -NPTF	3,0
	<b>P19L</b>	2	4,1	0,9	70	700	37	475	443	<sup>3</sup> / <sub>8</sub> -NPTF	2,3
	<b>P59</b>	2	10,9	2,6	22	700	66	902	738	<sup>3</sup> / <sub>8</sub> -NPTF	7,8
	<b>P59L</b>	2	12	2,6	59	700	44	1131	1082	<sup>3</sup> / <sub>8</sub> -NPTF	4,1
	<b>P59F</b>	2	9,0	2,1	22	700	55	902	738	<sup>3</sup> / <sub>8</sub> -NPTF	6,4

LP = Low Pressure  
 HP = High Pressure

\*Pump includes 2-Way Valve



# Hand Pump

## HYDRAULIC P SERIES

### 9,5 l Reservoir

#### Two-Speed Single- and Double-Acting

Best suited for applications where there is little or no free travel.

PUMPS



P300 hand pump and 10 ton cylinders used for a vehicle lift.

- Rugged all metal construction for strength and durability that won't burn through in welding environments.
- Heavy-duty, formed metal handle provides less flex, and less operator fatigue than round or composite handles.
- Convenient fill port allows pumps on P157 and P159 to be filled in a horizontal or vertical position.
- Fill cap seal acts as safety valve to prevent over-pressurizing of reservoir.
- Relief valve inboard of check valve prevents loads from drifting down.
- Large valve knob gives added control for slowly metering loads down.



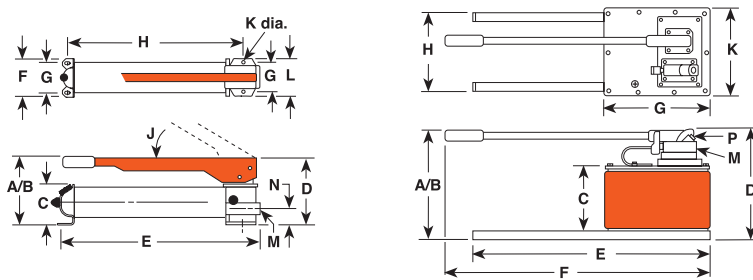
P157/P159



P300



P460



FK59  
FK159B

**Foot pump conversion kit No. FK59** - Foot pump conversion kit for use on P55/P59 pumps. Wt., 2,7 kg

**No. FK159B** - Foot pump conversion kit for use on P157/P159 and P300/P300D pumps. Wt., 2,7kg.

Pump No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (deg.)	K (mm)	L (mm)	M (in)	N (mm)	P
<b>P157/P159</b>	197	521	123,8	175	578	98,4	76,2	502	39°	7,9	95,3	3/8-NPTF	57,2	—
<b>P300</b>	210	533	114,3	175	575	215,9	190,5	526	39°	7,9	95,3	3/8-NPTF	57,2	—
<b>P460</b>	283	787	171,5	289	610	743	279,4	229	80°	241,3	—	3/8-NPTF	—	1/4 NPTF

For Use With	Order No.	Speed	Volume & Pressure		Maximum Pressure (bar)		Reservoir Handle Effort (kg)	Oil Capacity (cm³)	Usable Oil Capacity (cm³)	Oil Port (in)	Product Weight (kg)
			Volume per Stroke (cm³)	LP	HP	LP					
Single-Acting	<b>P157</b>	2	10,7	2,6	97	700	64	2491	2245	3/8-NPTF	11,8
	<b>P159</b>	2	42,6	2,6	22	700	64	2491	2245	3/8-NPTF	11,8
Cylinders*	<b>P300</b>	2	42,6	2,6	22	700	64	5.700	5081	3/8-NPTF	25,1
	<b>P460</b>	2	120,5	4,6	22	700	41	9.500	7539	3/8-NPTF	24,9
Double-Acting	<b>P157D</b>	2	10,7	2,6	97	700	64	2491	2245	3/8-NPTF	13,1
	<b>P159D</b>	2	42,6	2,6	22	700	64	2491	2245	3/8-NPTF	12,7
Cylinders**	<b>P300D</b>	2	42,6	2,6	22	700	64	5.700	5081	3/8-NPTF	25,9
	<b>P460D</b>	2	120,5	4,6	22	700	41	9.500	7539	3/8-NPTF	26,3

LP = Low Pressure  
HP = High Pressure

\* Pump includes 2-Way Valve  
\*\* Pump includes 4-Way Valve

## Cylinder/Pump HYDRAULIC RPS SERIES

### Cylinder and pump combinations

Precision-matched cylinder and pump combinations for wide range of applications.

- Four styles of cylinders to choose from.
- Sets feature single- or two-speed hydraulic hand pumps.
- Cylinders of various tonnages with long, medium or short stroke.
- Includes necessary fittings, couplers and 1,8m hose.
- Gauge and gauge mounting adapter is recommended.
- Gauge and gauge mounting adapter is recommended. (See pages 114-115)



700 bar  
ASMEB30-1

#### Optional Storage Box

Storage box for hydraulic cylinder and pump sets  
Rugged industrial strength material, strong as steel, never needs painting, won't rust, dent or chip. Weatherproof lid is self sealing and lockable. Molded-in handles and removable heavy duty utility tray. Water-tight, one piece bottom and side construction. Strong enough to stand on.

No. 350722 – 890 mm L x 356 mm H x 343 mm W, storage box.



PUMPS

Style Of Cyl.	Cyl. Cap. (Tons)	Stroke (mm)	Order No.	Retracted Height (mm)	Handle Strokes Required to Fully Extended Cylinder	Cyl.-No.	Pump No.	Hose No.	Coupler No.	Pump Speed	Prod. Wt. (kg)
	5	133,4	RPS55	216	75	C55C	P12	9756	9798	Single	5,4
	10	54,0	RPS102**	121	32	C102C	P55	9756	9798	Single	11,8
	10	155,6	RPS106**	248	93	C106C	P55	9756	9798	Single	14,5
	10	257,2	RPS1010**	349	154	C1010C	P55	9756	9798	Single	16,1
"C"-Series	15	104,8	RPS154**	200	81	C154C	P55	9756	9798	Single	13,1
	15	155,6	RPS156**	271	118	C156C	P55	9756	9798	Single	15,4
	25	158,8	RPS256**	273	219	C256C	P55	9756	9798	Single	19,3
	25	362,0	RPS2514**	476	285*	C2514C	P159	9756	9798	Two	28,4
	55	158,8	RPS556**	283	268*	C556C	P159	9756	9798	Two	37,5
	100	168,3	RPS1006	337	428*	C1006C	P460	9756	9798	Two	58,3
"Shorty"	30	61,9	RPS302**	117	61*	RSS302	P59	9756	9798	Two	18,1
	50	60,3	RPS552**	127	89*	RSS502	P59	9756	9798	Two	22,7
	100	57,2	RPS1002**	140	172*	RSS1002	P59	9756	9798	Two	36,7
"Center-Hole"	20	76,2	RPS203H**	154	80	RH203	P55	9756	9798	Single	18,3
Alum.	55	155,6	RPS556A**	273	262*	RA556	P159	9756	9798	Two	21,3

\* Base on 50% if the stroke being made at low-pressure and 50% of the strokes at high pressure.

\*\*Add suffix "B" (example: rps102b, rps203hb, etc.) to order set with optional storage box shown above.

