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HYDRAULIC PUMPS & POWER UNITS

THE **P-SERIES** MANUAL HAND PUMPS OFFER A WIDE CHOICE OF STEEL AND ALUMINIUM BODIED MODELS.

Ideally suited to applications where portable manual hydraulic power is required. All models feature low handle effort for easy operation and are engineered for demanding industrial applications. Models are available to operate single and double acting cylinders and tools. All P-Series hand pumps include a factory set safety pressure relief valve and come pre-filled with hydraulic oil.



SPECIFIC MODEL ADVANTAGES

- Drop forged pump head on models **P-170** and **P-270** for superior durability
- Unique oil reservoir breather incorporating a pressure relief valve to guard against accidental over pressurisation of the oil reservoir on models **P-2200**, **P-2200D** and **P-2260**
- Sealed bladder reservoir design on models **P-235A** and **P-235AT** allows operation in any position
- Twin outlet design pump head incorporating two needle valves on model **P-235AT**
- 2,800 bar working pressure model **P-2100H** can be used for bolt tensioning, bearing removal and high pressure testing



OIL CAPACITY RANGE

350 - 8,000 cc

1ST STAGE FLOW RANGE

3.1 - 113 cc

MAXIMUM OPERATING PRESSURES

240 / 700 / 2,800 bar

Model Number	Usable Oil (cc)	Pressure Stage		Cylinder Capacity (ton)											
				5	10	15	20	25	30	50	75	100	150	200	250
P-235	350	1st	mm of movement for each stroke of the pump handle	11.2	4.8	3.4	2.5	2.1	1.7	1.0	-	-	-	-	-
		2nd		1.6	0.7	0.5	0.4	0.3	0.2	0.1	-	-	-	-	-
P-235A	350	1st		6.2	2.6	1.9	1.3	1.1	0.9	-	-	-	-	-	-
		2nd		1.0	0.4	0.3	-	-	-	-	-	-	-	-	-
P-235AT	350	1st		6.2	2.6	1.9	1.3	1.1	0.9	-	-	-	-	-	-
		2nd		1.0	0.4	0.3	-	-	-	-	-	-	-	-	-
P-235L	350	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-250	500	1st		11.2	4.8	3.4	2.5	2.1	1.7	1.0	-	-	-	-	-
		2nd		1.6	0.7	0.5	0.4	0.3	0.2	0.1	-	-	-	-	-
P-170	700	1st		5.0	2.1	1.5	1.1	0.9	0.7	-	-	-	-	-	-
P-270	700	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-290	900	1st		20.2	8.8	6.2	4.4	3.8	3.0	1.7	1.2	0.9	0.5	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2100A	1,000	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	-	-	-	-	-
		2nd		3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
P-2100H	1,000	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	-	-	-	-	-
		2nd		1.0	0.4	0.3	0.2	0.2	0.2	0.1	-	-	-	-	-
P-2200	2,000	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2200A	2,000	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
P-2200AD	2,000	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		3.7	1.6	1.1	0.8	0.7	0.5	0.3	0.2	0.2	0.1	-	-
P-2200D	2,000	1st		20.8	9.0	6.4	4.6	3.9	3.1	1.8	1.3	1.0	0.6	-	-
		2nd		4.5	1.9	1.4	1.0	0.8	0.7	0.4	0.3	0.2	0.1	-	-
P-2260	2,600	1st		48.0	20.7	14.8	10.6	9.0	7.1	4.2	2.9	2.3	1.5	1.0	-
		2nd		4.8	2.1	1.5	1.1	0.9	0.7	0.4	0.3	0.2	0.2	0.1	-
P-2800	8,000	1st		180.8	78.1	55.7	40.0	34.0	26.9	15.9	11.0	8.5	5.6	4.0	3.1
		2nd		6.4	2.8	2.0	1.4	1.2	1.0	0.6	0.4	0.3	0.2	0.2	0.1
P-2800D	8,000	1st		180.8	78.1	55.7	40.0	34.0	26.9	15.9	11.0	8.5	5.6	4.0	3.1
		2nd		6.4	2.8	2.0	1.4	1.2	1.0	0.6	0.4	0.3	0.2	0.2	0.1

STEEL BODIED MANUAL HAND PUMPS

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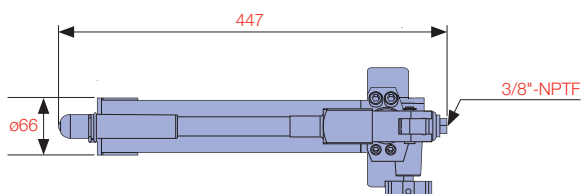
HYDRAULIC PUMPS & POWER UNITS

THE **P-SERIES** STEEL BODIED MANUAL HAND PUMP RANGE OFFER A WIDE CHOICE OF TANK AND FLOW OPTIONS WHERE MANUAL PORTABLE HYDRAULIC POWER IS REQUIRED.

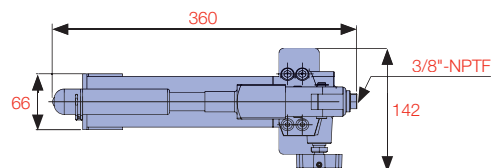
All pumps have a low handle effort for ease of operation and large, easy to grip external pressure release knobs. All models (excluding P-235L) incorporate a convenient carry handle. For applications requiring a high 1st stage flow the P-2260 offers 30cc per stroke within a compact portable package. Durapac's pump range is a robustly built industry proven performer.



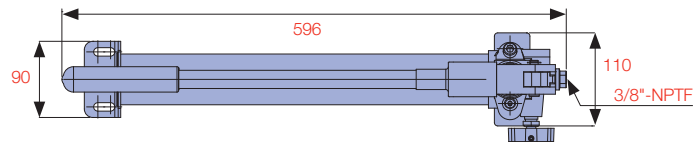
P-250



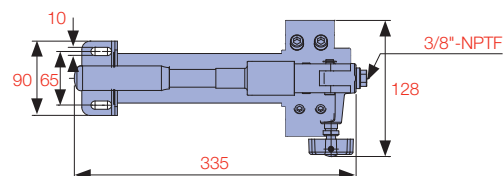
P-235



P-170



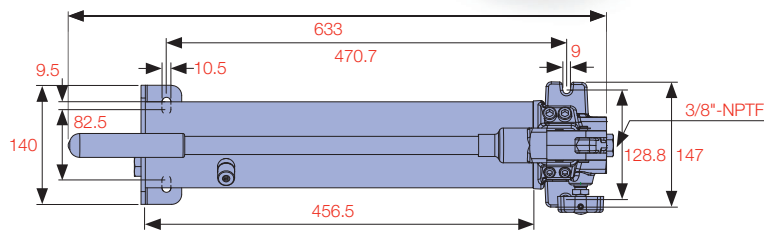
P-235L



Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-170	Single Speed	S/A	2 Way	700.0	-	700	3.1	-	3/8"-NPTF	33	6.5
P-235	Two Speed	S/A	2 Way	13.8	700	350	7.0	1.0	3/8"-NPTF	34	5.5
P-235L	Two Speed	S/A	2 Way	13.8	240	350	13.0	2.8	3/8"-NPTF	25	5.5
P-250	Two Speed	S/A	2 Way	13.8	700	500	7.0	1.0	3/8"-NPTF	30	6.2
P-270	Two Speed	S/A	2 Way	13.8	700	700	13.0	2.8	3/8"-NPTF	41	7.3
P-290	Two Speed	S/A	2 Way	14.0	700	900	12.5	2.8	3/8"-NPTF	33	7.5
P-2200	Two Speed	S/A	2 Way	13.8	700	2,000	13.0	2.8	3/8"-NPTF	35	11.5
P-2200D	Two Speed	D/A	4 Way	13.8	700	2,000	13.0	2.8	3/8"-NPTF	37	14.5
P-2260	Two Speed	S/A	2 Way	28.0	700	2,600	30.0	3.0	3/8"-NPTF	36	13.5



P-2200



OIL CAPACITY RANGE

350 - 2,600 cc

1ST STAGE FLOW RANGE

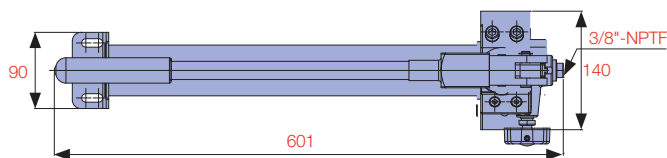
3.1 - 30 cc

MAXIMUM OPERATING PRESSURE

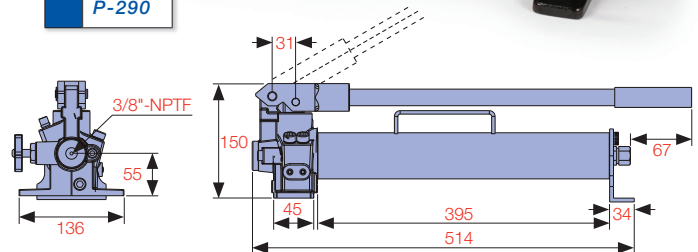
240 / 700 bar



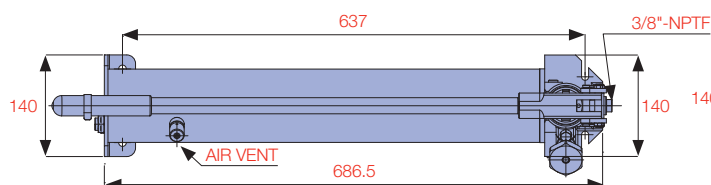
P-270



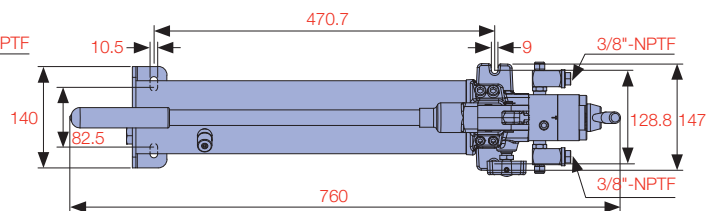
P-290



P-2260

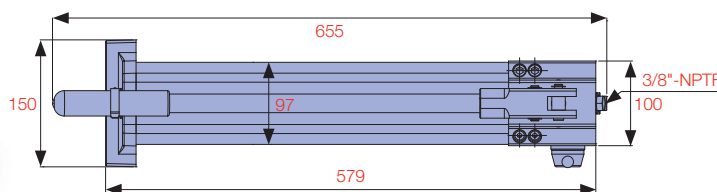


P-2200D



THE **P-SERIES** ALUMINIUM BODIED MANUAL HAND PUMP RANGE IS THE ULTIMATE IN LIGHTWEIGHT PORTABLE POWER.

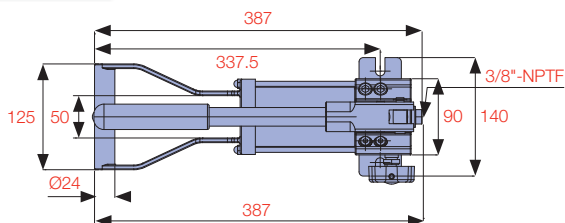
All feature low handle effort for ease of operation and large easy to grip external pressure release knobs. Both the P-235A and P-235AT models feature a sealed bladder reservoir which allows the pump to be used at any operating angle. The P-235AT features a twin outlet design and incorporates two needle valves within the pump head. In applications requiring ultra-high pressure the P-2100H offers a working pressure up to 2,800 bar. Durapac's pump range is a robustly built industry proven performer.



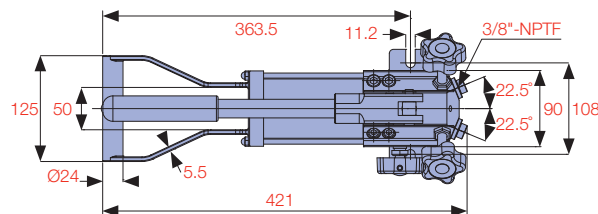
P-2200AD



P-235A



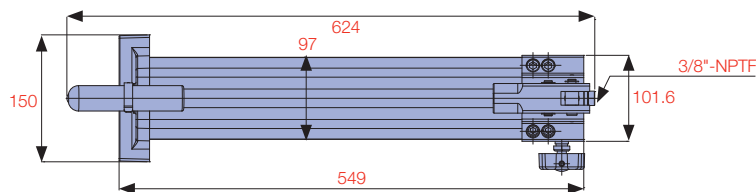
P-235AT



Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-235A	Two Speed	S/A	2 Way	13.8	700	350	3.9	0.59	3/8"-NPTF	33	3.7
P-235AT	Two Speed	S/A	Twin Outlet	13.8	700	350	3.9	0.59	3/8"-NPTF	33	3.8
P-2100A	Two Speed	S/A	2 Way	14.0	700	1,000	13.0	2.3	3/8"-NPTF	40	3.5
P-2100H	Two Speed	S/A	2 Way	28.0	2,800	1,000	13.0	0.7	3/4"-16UNF	40	6.9
P-2200A	Two Speed	S/A	2 Way	14.0	700	2,000	13.0	2.3	3/8"-NPTF	39	6.5
P-2200AD	Two Speed	D/A	4 Way	13.8	700	2,000	13.0	2.3	3/8"-NPTF	38	7.5



P-2200A



OIL CAPACITY RANGE

350 - 2,000 cc

1ST STAGE FLOW RANGE

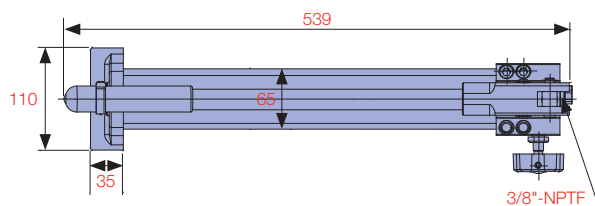
3.9 - 13.0 cc

MAXIMUM OPERATING PRESSURE

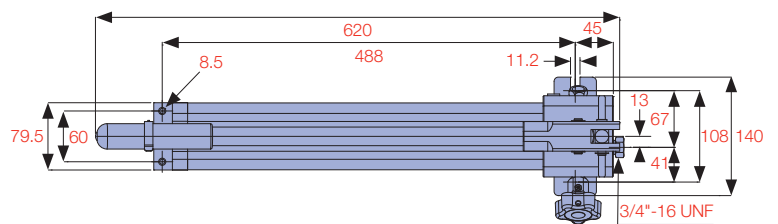
700 / 2,800 bar



P-2100A



P-2100H ULTRA-HIGH PRESSURE 2,800 BAR WP



Durapac offer high pressure gauges and a gauge adaptor to suit the P-2100H 2,800 bar hand pump

PG-100-60K

4,000 bar pressure gauge

FGA-2

4,000 bar gauge adaptor
Includes connection nipples to suit pressure gauge and hand pump

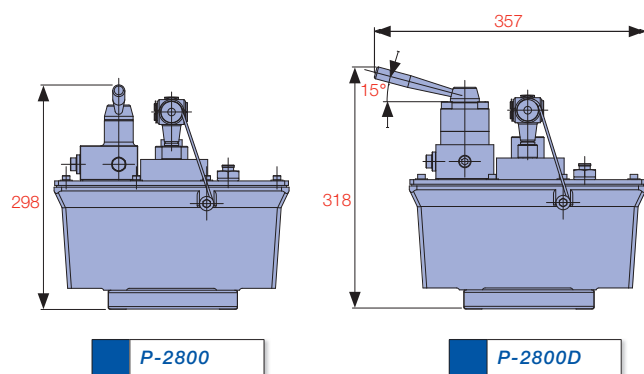


DURAPAC'S **HIGH FLOW MANUAL PUMP RANGE** IS THE ULTIMATE IN HIGH PERFORMANCE TWO SPEED PORTABLE POWER.

Ideally suited to operate high tonnage cylinders where conventional power sources are not available. Both models feature a first stage high flow of 113 cc per stroke for fast cylinder advance and retract and a high pressure power flow of 4 cc per stroke. Available with a 2 way valve for single acting applications or a 4 way valve for double acting applications. Durapac's pump range is robustly built and an industry proven performer.

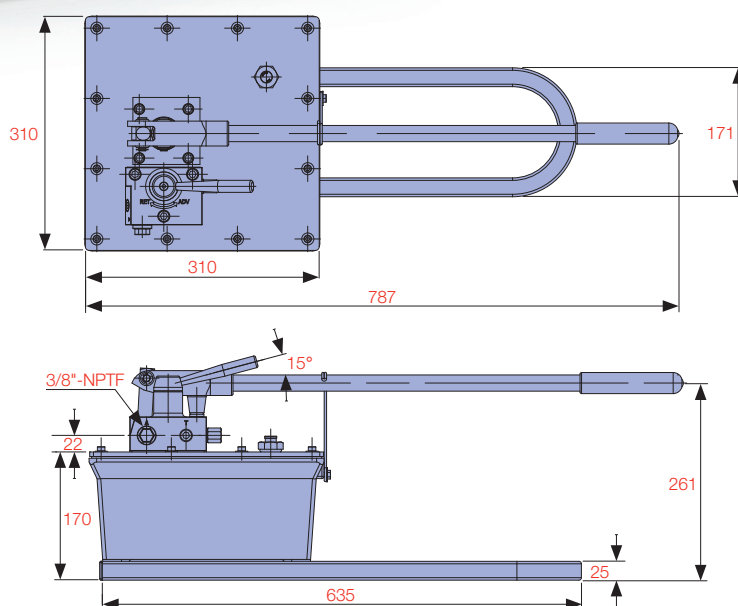


P-2800D



P-2800

P-2800D



Model Number	Operation	Used with Cylinder	Valve Type	Pressure Rating (bar)		Usable Oil Capacity (cc)	Oil Volumes per Stroke (cc)		Oil Port Thread	Max. Handle Effort (kg)	Weight with Oil (kg)
				1st Stage	2nd Stage		1st Stage	2nd Stage			
P-2800	Two Speed	S/A	2 Way	27.5	700	8,000	113.0	4.0	3/8"-NPTF	29	29.0
P-2800D	Two Speed	D/A	4 Way	27.5	700	8,000	113.0	4.0	3/8"-NPTF	29	30.0

THE **CYLINDER KITS** ARE A CONVENIENT WAY TO PURCHASE REGULARLY REQUESTED CYLINDER AND HAND PUMP COMBINATIONS.

Popular cylinder combinations are available including low profile, aluminium and centre-hole. The range comprises 29 kit options that include a perfectly matched manual hand pump and 2 M hose with coupling. A 63 mm liquid filled pressure gauge with gauge adaptor is included with each kit.



Model	Capacity (ton)*	Stroke (mm)	Collapsed Height	Included in Set				
				Cylinder	Hand Pump	Hose	Gauge	Gauge Adaptor
Aluminium Cylinder Kits - Single Acting Spring Return								
CKA-302	30	50	181	AC-302	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-306		150	281	AC-306	P-2200A	HPS-0602CR	PG-63	FGA-1
CKA-502	50	50	186	AC-502	P-235A	HPS-0602CR	PG-63	FGA-1
CKA-506		150	286	AC-506	P-2200A	HPS-0602CR	PG-63	FGA-1
Hollow Piston Cylinder Kits - Single Acting Spring Return								
CKH-121	12	42	120	RHS-121	P-270	HPS-0602CR	PG-63	FGA-1
CKH-123		76	184	RHS-123	P-270	HPS-0602CR	PG-63	FGA-1
CKH-202	20	49	162	RHS-202	P-270	HPS-0602CR	PG-63	FGA-1
CKH-206		155	306	RHS-206	P-270	HPS-0602CR	PG-63	FGA-1
CKH-302	30	64	178	RHS-302	P-270	HPS-0602CR	PG-63	FGA-1
CKH-306		155	330	RHS-306	P-2200	HPS-0602CR	PG-63	FGA-1
Low Profile Cylinder Kits - Single Acting Spring Return								
CKL-50	5	6	32	RFJ-50	P-270	HPS-0602CR	PG-63	FGA-1
CKL-100	10	12	43	RFJ-100	P-270	HPS-0602CR	PG-63	FGA-1
CKL-101		38	88	RLP-101	P-270	HPS-0602CR	PG-63	FGA-1
CKL-200	20	11	51	RFJ-200	P-270	HPS-0602CR	PG-63	FGA-1
CKL-201		45	98	RLP-201	P-270	HPS-0602CR	PG-63	FGA-1
CKL-300	30	13	58	RFJ-300	P-270	HPS-0602CR	PG-63	FGA-1
CKL-302		62	117	RLP-302	P-270	HPS-0602CR	PG-63	FGA-1
CKL-500	50	16	66	RFJ-500	P-270	HPS-0602CR	PG-63	FGA-1
CKL-502		60	122	RLP-502	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1000	100	16	85	RFJ-1000	P-270	HPS-0602CR	PG-63	FGA-1
CKL-1002		57	141	RLP-1002	P-2200	HPS-0602CR	PG-63	FGA-1
General Jacking Cylinder Kits - Single Acting Spring Return								
CKG-102	10	54	121	RG-102	P-270	HPS-0602CR	PG-63	FGA-1
CKG-106		156	247	RG-106	P-270	HPS-0602CR	PG-63	FGA-1
CKG-252	25	50	165	RG-252	P-270	HPS-0602CR	PG-63	FGA-1
CKG-254		102	215	RG-254	P-270	HPS-0602CR	PG-63	FGA-1
CKG-256		158	273	RG-256	P-270	HPS-0602CR	PG-63	FGA-1
CKG-502	50	51	176	RG-502	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-504		101	227	RG-504	P-2200	HPS-0602CR	PG-63	FGA-1
CKG-506		159	282	RG-506	P-2200	HPS-0602CR	PG-63	FGA-1

* Nominal Cylinder Capacity in ton - see kN values for actual capacity