

RC-Series, Single-Acting Cylinders

▼ Shown from left to right: RC-506, RC-50, RC-2510, RC-154, RC-10010, RC-55, RC-1010



- Collar threads, plunger threads and base mounting holes enable easy fixturing (on most models)
- Designed for use in all positions
- Removable strap handles for unobstructed fixturing (RC-5013, RC-7513 and both 100 ton models)
- High strength alloy steel for durability
- Nickel plating available on most models (contact Enerpac for details)
- Heavy-duty return springs
- Baked enamel finish for increased corrosion resistance
- CR-400 coupler and dust cap included on all models

▼ Stage lifting set up in Greece, where assembled pipes, 82 feet in length, were stage lifted with six RC-2514 cylinders.



The Industry Standard General Purpose Cylinder



Saddles
All RC cylinders are equipped with hardened removable grooved saddles. For tilt and flat saddles, see the RC-Series accessory page.

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Base Plates
To ensure the stability of cylinders for lifting applications, base plates are available for 10, 25 and 50 ton RC cylinders.

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Specialty Attachments
For solving all kinds of application problems, specialty attachments are available for 5, 10 and 25 ton RC cylinders.

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▼ RC cylinder mounting attachments greatly extend the application possibilities (available for 5, 10, 15 and 25 ton cylinders).



Golden Ring Design
Enerpac RC-Cylinders incorporate the Golden Ring Design, for long, trouble-free performance.

▼ **QUICK SELECTION CHART**
For complete technical information see next page.

Cylinder Capacity (tons) Nominal [maximum]	Stroke (in)	Model Number	Cylinder Effective Area (in ²)	Oil Capacity (in ³)	Collapsed Height (in)	Weight (lbs)
5 [5]	.63	RC-50**	.99	.62	1.63	2.2
	1.00	RC-51	.99	.99	4.34	2.3
	3.00	RC-53	.99	2.98	6.50	3.3
	5.00	RC-55*	.99	4.97	8.50	4.1
	7.00	RC-57	.99	6.96	10.75	5.3
	9.13	RC-59	.99	9.07	12.75	6.1
10 [11]	1.00	RC-101	2.24	2.24	3.53	4.0
	2.13	RC-102*	2.24	4.75	4.78	5.1
	4.13	RC-104	2.24	9.23	6.75	7.2
	6.13	RC-106*	2.24	13.70	9.75	9.8
	8.00	RC-108	2.24	17.89	11.75	12.0
	10.13	RC-1010*	2.24	22.65	13.75	14.0
	12.00	RC-1012	2.24	26.84	15.75	15.0
15 [16]	14.00	RC-1014	2.24	31.31	17.75	18.0
	1.00	RC-151	3.14	3.14	4.88	7.2
	2.00	RC-152	3.14	6.28	5.88	9.0
	4.00	RC-154*	3.14	12.57	7.88	11.0
	6.00	RC-156*	3.14	18.85	10.69	15.0
	8.00	RC-158	3.14	25.13	12.69	18.0
	10.00	RC-1510	3.14	31.42	14.69	21.0
25 [26]	12.00	RC-1512	3.14	37.70	16.69	24.0
	14.00	RC-1514	3.14	43.98	18.69	26.0
	1.00	RC-251	5.16	5.16	5.50	13.0
	2.00	RC-252*	5.16	10.31	6.50	14.0
	4.00	RC-254*	5.16	20.63	8.50	18.0
	6.25	RC-256*	5.16	32.23	10.75	22.0
	8.25	RC-258	5.16	42.55	12.75	27.0
30 [32]	10.25	RC-2510	5.16	52.86	14.75	31.0
	12.25	RC-2512	5.16	63.18	16.75	36.0
	14.25	RC-2514*	5.16	73.49	18.75	39.0
	8.25	RC-308	6.49	53.56	15.25	40.0
	2.00	RC-502	11.04	22.09	6.94	33.0
50 [55]	4.00	RC-504	11.04	44.18	8.94	42.0
	6.25	RC-506*	11.04	69.03	11.13	51.0
	13.25	RC-5013	11.04	146.34	18.13	83.0
	6.13	RC-756	15.90	97.41	11.25	65.0
75 [80]	13.13	RC-7513	15.90	208.74	19.38	130.0
	6.63	RC-1006*	20.63	136.67	14.06	130.0
	10.25	RC-10010	20.63	211.45	17.69	160.0

* Available as a set. See note on this page.
** RC-50 cylinder has non-removable grooved saddle and no collar thread.

Single-Acting, General Purpose Cylinders

RC Series



Capacity:
5-100 tons

Stroke:
.63-14.25 inch

Maximum Operating Pressure:
10,000 psi



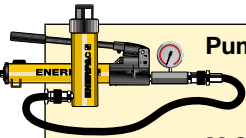
Hoses
Enerpac offers a complete line of high quality hydraulic hoses. To ensure the integrity of your system, specify only Enerpac hydraulic hoses.

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Gauges
Minimize the risk of overloading and ensure long, dependable service from your equipment. Refer to the System Components Section for a full range of gauges.

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Pump and Cylinder Sets
All cylinders marked with an * are available as sets (cylinder, gauge, couplers, hose and pump) for your ordering convenience.

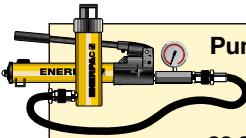
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Speed Chart
See the Enerpac Cylinder Speed Chart in our "Yellow Pages" to determine your approximate cylinder speed.

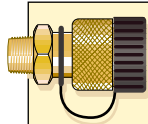
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RC-Series, Single-Acting Cylinders



Pump and Cylinder Sets
All cylinders marked with an * are available as **sets** (cylinder, gauge, couplers, hose and pump) for your ordering convenience.

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Couplers Included!
CR-400 couplers included on all models. Fits all HC-Series hoses.

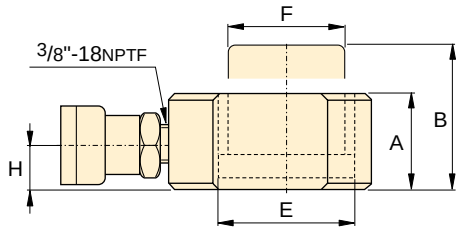
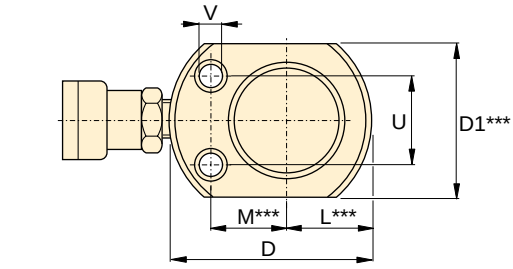
Single-Acting, General Purpose Cylinders

Capacity:
5-100 tons

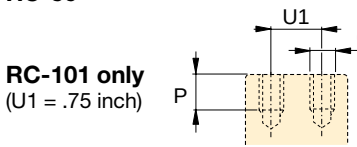
Stroke:
.63-14.25 inch

Maximum Operating Pressure:
10,000 psi

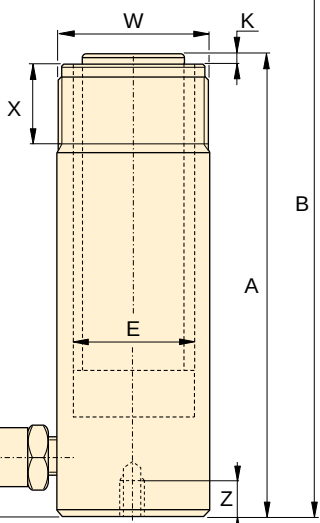
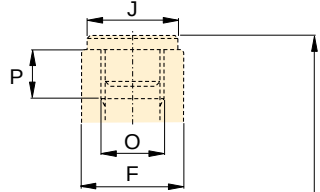
RC Series



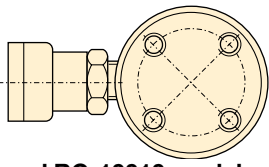
RC-50



RC-101 only
(U1 = .75 inch)



RC-51 to RC-7513 models



RC-1006 and RC-10010 models

◀ For full features see page 8.

Cylinder Capacity (tons) Nominal [maximum]	Stroke (in)	Model Number	Cylinder Effective Area (in²)	Oil Capacity (in³)	Collapsed Height A (in)	Extended Height B (in)	Outside Dia. D (in)
5 [5]	.63	RC-50**	.99	.62	1.63	2.25	2.31
	1.00	RC-51	.99	.99	4.34	5.34	1.50
	3.00	RC-53	.99	2.98	6.50	9.50	1.50
	5.00	RC-55*	.99	4.97	8.50	13.50	1.50
	7.00	RC-57	.99	6.96	10.75	17.75	1.50
	9.13	RC-59	.99	9.07	12.75	21.88	1.50
10 [11]	1.00	RC-101	2.24	2.24	3.53	4.53	2.25
	2.13	RC-102*	2.24	4.75	4.78	6.91	2.25
	4.13	RC-104	2.24	9.23	6.75	10.88	2.25
	6.13	RC-106*	2.24	13.70	9.75	15.88	2.25
	8.00	RC-108	2.24	17.89	11.75	19.75	2.25
	10.13	RC-1010*	2.24	22.65	13.75	23.88	2.25
	12.00	RC-1012	2.24	26.84	15.75	27.75	2.25
	14.00	RC-1014	2.24	31.31	17.75	31.75	2.25
15 [16]	1.00	RC-151	3.14	3.14	4.88	5.88	2.75
	2.00	RC-152	3.14	6.28	5.88	7.88	2.75
	4.00	RC-154*	3.14	12.57	7.88	11.88	2.75
	6.00	RC-156*	3.14	18.85	10.69	16.69	2.75
	8.00	RC-158	3.14	25.13	12.69	20.69	2.75
	10.00	RC-1510	3.14	31.42	14.69	24.69	2.75
	12.00	RC-1512	3.14	37.70	16.69	28.69	2.75
	14.00	RC-1514	3.14	43.98	18.69	32.69	2.75
25 [26]	1.00	RC-251	5.16	5.16	5.50	6.50	3.38
	2.00	RC-252*	5.16	10.31	6.50	8.50	3.38
	4.00	RC-254*	5.16	20.63	8.50	12.50	3.38
	6.25	RC-256*	5.16	32.23	10.75	17.00	3.38
	8.25	RC-258	5.16	42.55	12.75	21.00	3.38
	10.25	RC-2510	5.16	52.86	14.75	25.00	3.38
	12.25	RC-2512	5.16	63.18	16.75	29.00	3.38
	14.25	RC-2514*	5.16	73.49	18.75	33.00	3.38
30 [32]	8.25	RC-308	6.49	53.56	15.25	23.50	4.00
50 [55]	2.00	RC-502	11.04	22.09	6.94	8.94	5.00
	4.00	RC-504	11.04	44.18	8.94	12.94	5.00
	6.25	RC-506*	11.04	69.03	11.13	17.38	5.00
	13.25	RC-5013	11.04	146.34	18.13	31.38	5.00
75 [80]	6.13	RC-756	15.90	97.41	11.25	17.38	5.75
	13.13	RC-7513	15.90	208.74	19.38	32.50	5.75
100 [103]	6.63	RC-1006*	20.63	136.67	14.06	20.69	7.00
	10.25	RC-10010	20.63	211.45	17.69	27.94	7.00

* Available as a set. See note on this page.

** RC-50 cylinder has non-removable grooved saddle and no collar thread.

*** D1 = 1.63 inch, L = .81 inch, M = 1.00 inch.

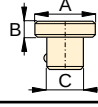
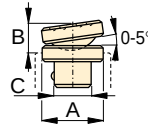
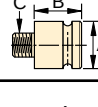
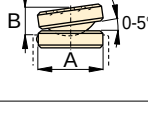
	Cylinder Bore Dia. E (in)	Plunger Dia. F (in)	Base to Adv. Port H (in)	Saddle Dia. J (in)	Saddle Protr. from Plgr. K (in)	Plunger Internal Thread O (in)	Plunger Thread Length P (in)	Base Mounting Holes			Collar Thread W (in)	Collar Thread Length X (in)	Weight (lbs)	Model Number
								Bolt Circle U (in)	Thread V (in)	Thd. Depth Z (in)				
	1.13	1.00	.75	**	**	**	**	1.13	.22	—	—	—	2.2	RC-50**
	1.13	1.00	.75	1.00	.25	3/4"-16	.56	1.00	1/4"-20UN	.56	1 1/2"-16	1.13	2.3	RC-51
	1.13	1.00	.75	1.00	.25	3/4"-16	.56	1.00	1/4"-20UN	.56	1 1/2"-16	1.13	3.3	RC-53
	1.13	1.00	.75	1.00	.25	3/4"-16	.56	1.00	1/4"-20UN	.56	1 1/2"-16	1.13	4.1	RC-55*
	1.13	1.00	.75	1.00	.25	3/4"-16	.63	1.00	1/4"-20UN	.56	1 1/2"-16	1.13	5.3	RC-57
	1.13	1.00	.75	1.00	.25	3/4"-16	.63	1.00	1/4"-20UN	.56	1 1/2"-16	1.13	6.1	RC-59
	1.69	1.50	.75	—	—	#10-24UN	.25	1.56	5/16"-18UN	.50	2 1/4"-14	1.06	4	RC-101
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.13	5.1	RC-102*
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.06	7.2	RC-104
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.13	9.8	RC-106*
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.06	12	RC-108
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.13	14	RC-1010*
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.06	15	RC-1012
	1.69	1.50	.75	1.38	.25	1"-8	.75	1.56	5/16"-18UN	.50	2 1/4"-14	1.06	18	RC-1014
	2.00	1.63	.75	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	7.2	RC-151
	2.00	1.63	.75	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	9	RC-152
	2.00	1.63	.75	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	11	RC-154*
	2.00	1.63	1.00	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	15	RC-156*
	2.00	1.63	1.00	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	18	RC-158
	2.00	1.63	1.00	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	21	RC-1510
	2.00	1.63	1.00	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	24	RC-1512
	2.00	1.63	1.00	1.50	.38	1"-8	1.00	1.88	3/8"-16UN	.50	2 3/4"-16	1.19	26	RC-1514
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	13	RC-251
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	14	RC-252*
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	18	RC-254*
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	22	RC-256*
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	27	RC-258
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	31	RC-2510
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	36	RC-2512
	2.56	2.25	1.00	2.00	.41	1 1/2"-16	1.00	2.31	1/2"-13UN	.75	3 5/16"-12	1.94	39	RC-2514*
	2.88	2.25	2.25	2.00	.41	1 1/2"-16	1.00	—	—	—	3 5/16"-12	1.94	40	RC-308
	3.75	3.13	1.31	2.81	.11	—	—	3.75	1/2"-13UN	.75	5"-12	2.19	33	RC-502
	3.75	3.13	1.31	2.81	.11	—	—	3.75	1/2"-13UN	.75	5"-12	2.19	42	RC-504
	3.75	3.13	1.38	2.81	.11	—	—	3.75	1/2"-13UN	.75	5"-12	2.19	51	RC-506*
	3.75	3.13	1.38	2.81	.11	—	—	3.75	1/2"-13UN	.75	5"-12	2.19	83	RC-5013
	4.50	3.75	1.19	2.81	.23	—	—	—	—	—	5 3/4"-12	1.75	65	RC-756
	4.50	3.75	1.19	2.81	.23	—	—	—	—	—	5 3/4"-12	1.75	130	RC-7513
	5.13	4.13	1.63	2.81	.11	—	—	5.50	3/4"-10UN	1.00	6 7/8"-12	1.75	130	RC-1006*
	5.13	4.13	1.63	2.81	.11	—	—	5.50	3/4"-10UN	1.00	6 7/8"-12	1.75	160	RC-10010

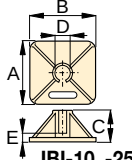
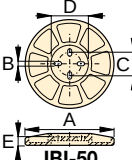
▼ SELECTION CHART

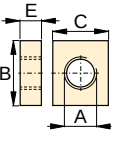
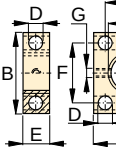
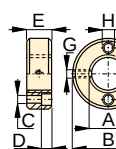
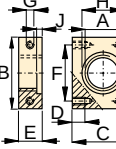
For use with Cylinder Capacity (tons)	Saddles			Base Plate	Mounting Block	Clevis Eyes	
	Flat/Threaded	Grooved ¹⁾	Tilt			Base ⁴⁾	Plunger
							
5	A-53F ²⁾	A-53G ²⁾	—	—	RB-5 ²⁾ , AW-51 ²⁾ , AW-53 ²⁾	REB-5 ²⁾	REP-5 ²⁾
10	A-12 ³⁾ , A-102F ³⁾	A-102G ³⁾	CAT-10 ³⁾	JB1-10	RB-10, AW-102	REB-10	REP-10 ³⁾
15	—	A-152G	CAT-10	—	RB-15	REB-15	REP-10
25	A-29	A-252G	CAT-50	JB1-25	RB-25	REB-25	REP-25
30	A-29	A-252G	CAT-50	—	RB-25	—	REP-25
50	—	—	CAT-100	JB1-50	—	—	—
75	—	—	CAT-100	—	—	—	—
100	—	—	CAT-100	—	—	—	—

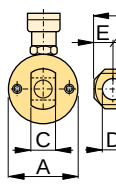
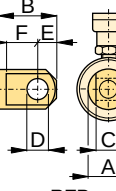
¹⁾ Standard on 5-30 ton RC-cylinders ²⁾ Except RC-50 ³⁾ Except RC-101 ⁴⁾ Mounting screws are included.

▼ DIMENSION CHARTS

Model Number	Saddle Dimensions (in)				Model Number	Tilt Saddle Dimensions (in)			
	A	B	C			A	B	C	
	Flat					Tilt			
A-53F	1.00	.25	.68		CAT-10	1.38	.79	.88	
A-102F	1.38	.24	.88		CAT-50	1.97	.83	1.40	
A-12	2.00	1.88	1" -8UNC						
A-29	2.00	1.88	1 1/2" -16UN						
	Grooved					Tilt			
A-53G	1.00	.25	.68		CAT-100	2.80	.98	—	
A-102G	1.38	.24	.88						
A-152G	1.50	.37	.88						
A-252G	1.97	.37	1.40						

Model Number	Base Plate Dimensions (in)						
	A	B	C	D	E		
JB1-10	9.00	9.00	5.34	2.29	.81		
JB1-25	11.00	11.00	5.53	3.41	1.03		
JB1-50	12.00	.60	3.75	5.19	1.25		

Model Number	Mounting Block Dimensions (in)										
	A	B	C	D	E	F	G				
RB-5	1 1/2" -16	3.50	3.00	—	1.00	—	—				
AW-51	1 1/2" -16	2.76	2.36	.43	.98	2.13	1/4" -20	1.62			
AW-53	1 1/2" -16	2.87	.28	.31	.75	2.25	1/4" -20	.41			
RB-10	2 1/4" -14	4.50	3.50	—	1.00	—	—	—			
AW-102	2 1/4" -14	3.94	3.25	.63	1.18	3.00	7/16" -20	2.31			
RB-15	2 3/4" -16	4.00	4.50	—	1.50	—	—	—			
RB-25	3 5/16" -12	5.00	6.50	—	2.00	—	—	—			

Type	Model Number	Clevis Eye Dimensions (in)						Pin to Pin* (in)		
		A	B	C	D	E	F			
Base ⁴⁾	REB-5	1.75	1.88	.56	.63	.63	1.00	2.37		
	REB-10	2.50	2.63	1.00	.88	1.00	1.38	3.07		
	REB-15	3.00	2.63	1.00	.88	1.00	1.38	3.07		
	REB-25	3.75	3.13	1.50	1.25	1.25	1.63	3.45		
Plunger	REP-5	1.13	1.62	.56	.63	.63	.75	—		
	REP-10	1.69	2.43	1.00	.88	1.00	1.13	—		
	REP-25	2.25	2.93	1.50	1.25	1.25	1.38	—		

* Pin to Pin— REB and REP Clevises fitted. Add cylinder stroke length.

▼ Press shown: IPE-5060



- Quality welded frame for maximum strength and long life
- Exclusive “Hydra-Lift” bed for effortless adjustment of the vertical daylight (10 ton models are manual)
- Roller head design is standard to allow movement and locking of the cylinder from side to side (10 ton, 25 ton and 30 ton are manual)
- All models in the Quick Selection Chart have been matched to a pump, cylinder, hoses and gauge, offering the complete package



◀ An Enerpac H-Frame press makes quick work of removing the shaft from this assembly.

Setting the Industry Standard



Cylinder Mounting Block*
Allows cylinder mounting into a press frame, while also allowing side to side adjustment of cylinder position.

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V-Blocks
These V-Blocks are designed for easy fixturing of round stock and other non-uniform materials. Featuring precise fit into the press bolster.

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Hydra-Lift*
Allows easy, effortless daylight adjustment. Standard on most H-Frame presses.

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Pump Mounting Bracket*
Heavy duty steel brackets allow mounting of one of the Enerpac Power Sources to power your press.

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Gauge included*
All press models include a gauge and gauge adaptor, matching the press capacity.

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* Standard on most H-Frame presses

IP
Series



Capacity:
10-200 tons

Maximum Daylight & Width:
54.50 & 48.00 inch

Maximum Operating Pressure:
10,000 psi



**Cylinder Types

 = Single-Acting, Spring Return

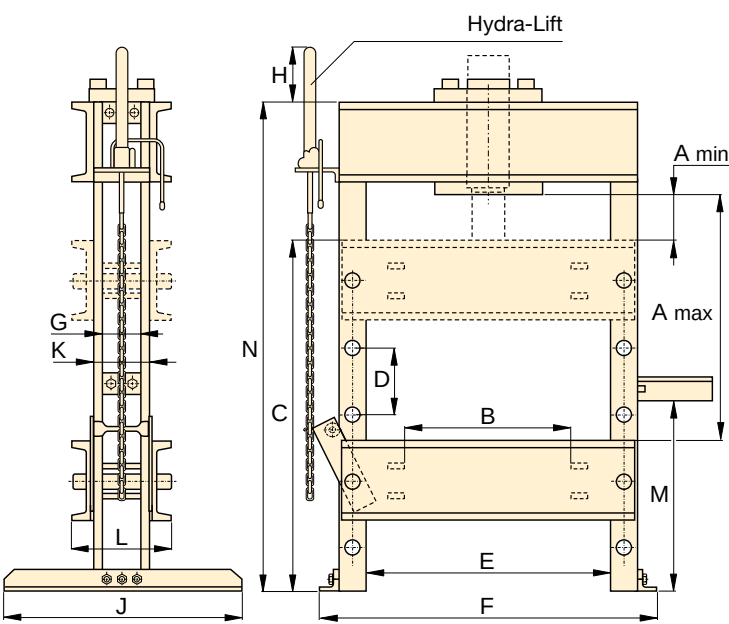
 = Double-Acting, Hydraulic Return

▼ **QUICK SELECTION CHART**
For more technical information see next page.

Press Capacity (tons)	Maximum Vertical Daylight (in)	Maximum Bed Width (in)	Power Source					Press Model Number	Cylinder**			Speed (sec/in)*	
			Type			Valve					Stroke (in)	Rapid Advance	Pressing
			Man.	Elec.	Air	Man.	Elec.						
10	40.00	18.63		●		●		IPE-1215	●		10	0.90	6.70
	40.00	18.63			●	●		IPA-1220	●		10	2.20	13.40
	40.00	18.63	●			●		IPH-1240	●		10	{4}	{15}
	40.00	18.63	●			●		IPH-1234		●	10	{2}	{15}
	40.00	18.63			●	●		IPA-1244		●	10	2.20	13.40
25	54.50	29.00		●		●		IPE-2505	●		6	1.50	15.40
	54.50	29.00		●			●	IPE-2510	●		14	1.10	7.00
	54.50	29.00			●	●		IPA-2520	●		14	5.20	30.90
	54.50	29.00	●			●		IPH-2531	●		14	{5}	{34}
30	54.50	29.00			●	●		IPA-3071		●	14	0.60	43.00
	54.50	29.00		●			●	IPE-3060		●	14	1.40	9.00
	54.50	29.00	●			●		IPH-3080		●	14	{7}	{34}
50	48.56	28.75		●			●	IPE-5010	●		13	1.00	11.10
	48.56	28.75			●	●		IPA-5021	●		6	1.00	74.00
	48.56	28.75	●			●		IPH-5030	●		6	{2}	{38}
	48.56	28.75	●			●		IPH-5031	●		6	{11}	{73}
	48.56	28.75		●		●		IPE-5005	●		6	2.90	28.90
	48.56	28.75			●	●		IPA-5073		●	13	1.00	22.20
	48.56	28.75		●			●	IPE-5060		●	13	1.00	11.10
	48.56	28.75	●			●		IPH-5080		●	13	{2}	{38}
100	42.50	35.00			●	●		IPA-10023	●		10	1.90	41.20
	42.50	35.00		●			●	IPE-10010	●		10	1.90	20.60
	42.50	35.00	●			●		IPH-10030	●		10	{3}	{70}
	42.50	35.00		●			●	IPE-10060		●	13	1.90	20.60
	42.50	35.00	●			●		IPH-10080		●	6	{3}	{70}
150	48.50	48.00		●			●	IPE-15065		●	13	2.85	15.40
200	48.50	48.00		●			●	IPE-20065		●	13	3.80	20.60

* [--] Speed in strokes per inch plunger travel

The moveable
“cylinder mounting
block” allows the
user to quickly
adapt the press
to a specific job.▶



IP
Series



Capacity:
10 - 200 tons

Maximum Daylight & Width:
54.50 & 48.00 inch

Maximum Operating Pressure:
10,000 psi

◀ For full features see page 136.

Press Capacity (tons)	Press Model Number	Pump Model Number	Page:	Cylinder Model Number	Page:	H-Frame Press Dimensions (in)					
						A (max)	A (min)	B	C	D	E
10	IPE-1215	PEM-1201B	75	RC-1010	9	40.00	2.44	–	46.75	5.00	18.63
	IPA-1220	PATG-1102N	90	RC-1010	9	40.00	2.44	–	46.75	5.00	18.63
	IPH-1240	P-392	58	RC-1010	9	40.00	2.44	–	46.75	5.00	18.63
	IPH-1234	P-84	60	RR-1010	27	40.00	2.44	–	46.75	5.00	18.63
	IPA-1244	PAMG-1402N	90	RR-1010	27	40.00	2.44	–	46.75	5.00	18.63
25	IPE-2505	PUJ-1200B	66	RC-256	9	54.50	7.00	–	57.00	11.88	29.00
	IPE-2510	PER-2032	79	RC-2514	9	54.50	7.00	–	57.00	11.88	29.00
	IPA-2520	PATG-1102N	90	RC-2514	9	54.50	7.00	–	57.00	11.88	29.00
	IPH-2531	P-80	60	RC-2514	9	54.50	7.00	–	57.00	11.88	29.00
	IPA-3071	PAM-1042	93	RR-3014	27	54.50	7.00	–	57.00	11.88	29.00
30	IPE-3060	PER-2042	79	RR-3014	27	54.50	7.00	–	57.00	11.88	29.00
	IPH-3080	P-84	60	RR-3014	27	54.50	7.00	–	57.00	11.88	29.00
	IPH-3080	P-84	60	RR-3014	27	54.50	7.00	–	57.00	11.88	29.00
50	IPE-5010	GPER-3320BN	85	RC-5013	9	48.56	7.06	18.76	54.00	10.38	28.75
	IPA-5021	PAM-1022	93	RC-506	9	48.56	7.06	18.76	54.00	10.38	28.75
	IPH-5030	P-462	60	RC-506	9	48.56	7.06	18.76	54.00	10.38	28.75
	IPH-5031	P-80	60	RC-506	9	48.56	7.06	18.76	54.00	10.38	28.75
	IPE-5005	PUJ-1200B	66	RC-506	9	48.56	7.06	18.76	54.00	10.38	28.75
	IPA-5073	PAM-9408N	95	RR-5013	27	48.56	7.06	18.76	54.00	10.38	28.75
	IPE-5060	GPER-3420BN	85	RR-5013	27	48.56	7.06	18.76	54.00	10.38	28.75
	IPH-5080	P-464	60	RR-5013	27	48.56	7.06	18.76	54.00	10.38	28.75
100	IPA-10023	PAM-9208N	95	RC-10010	9	42.50	7.00	20.00	51.00	11.69	35.00
	IPE-10010	GPER-3320BN	85	RC-10010	9	42.50	7.00	20.00	51.00	11.69	35.00
	IPH-10030	P-462	60	RC-10010	9	42.50	7.00	20.00	51.00	11.69	35.00
	IPE-10060	GPER-3420BN	85	RR-10013	27	42.50	7.00	20.00	51.00	11.69	35.00
	IPH-10080	P-464	60	RR-1006	27	42.50	7.00	20.00	51.00	11.69	35.00
150	IPE-15065	GPER-5420GN	85	RR-15013	27	48.50	12.50	28.00	54.50	10.00	48.00
200	IPE-20065	GPER-5420GN	85	RR-20013	27	48.50	12.50	28.00	54.50	10.00	48.00

	H-Frame Press Dimensions (in)								Weight (lbs)	Press Model Number
	F	G	H	J	K	L	M	N		
	24.88	–	–	29.75	4.25	7.44	35.00	72.00	298	IPE-1215
	24.88	–	–	29.75	4.25	7.44	35.00	72.00	160	IPA-1220
	24.88	–	–	29.75	4.25	7.44	35.00	72.00	158	IPH-1240
	24.88	–	–	29.75	4.25	7.44	35.00	72.00	189	IPH-1234
	24.88	–	–	29.75	4.25	7.44	35.00	72.00	163	IPA-1244
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	605	IPE-2505
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	690	IPE-2510
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	610	IPA-2520
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	620	IPH-2531
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	684	IPA-3071
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	717	IPE-3060
	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	664	IPH-3080
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	1,093	IPE-5010
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	968	IPA-5021
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	968	IPH-5030
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	926	IPH-5031
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	930	IPE-5005
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	1,057	IPA-5073
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	1,100	IPE-5060
	42.75	5.00	8.75	36.00	7.25	13.13	30.75	76.00	1,003	IPH-5080
	51.00	6.75	8.75	36.00	8.75	15.56	33.13	76.00	1,711	IPA-10023
	51.00	6.75	8.75	36.00	8.75	15.56	33.13	76.00	1,711	IPE-10010
	51.00	6.75	8.75	36.00	8.75	15.56	33.13	76.00	1,656	IPH-10030
	51.00	6.75	8.75	36.00	8.75	15.56	33.13	76.00	1,801	IPE-10060
	51.00	6.75	8.75	36.00	8.75	15.56	33.13	76.00	1,665	IPH-10080
	67.17	9.12	3.09	44.00	13.12	21.85	47.75	90.00	3,957	IPE-15065
	67.17	9.12	3.09	44.00	13.12	21.85	47.75	90.00	3,957	IPE-20065



H-Frame Press Gauges

All press models include a
gauge and gauge adaptor,
matching the press capacity:

Press Capacity (tons)	Gauge Model Number	Adaptor Model Number
10	GF-10P	GA-2
25	GF-20P	GA-2
30	GF-835P	GA-3
50	GF-50P	GA-2
100	GF-871P	GA-3
150	GF-200P	GA-3
200	GF-200P	GA-3

For more information on gauges, please
refer to the System Components
section.

Page: 118

▼ Shown from top to bottom: HC-7206, HC-8206, HC-9206



Emphasize Safety and Quality



WARNING !

- Do not exceed 10,000 psi maximum pressure.
- Do not handle hoses while under pressure.

More safety instructions
in our "Yellow pages."

Page: 100

Crimped-on rubber strain relief for improved life and durability on all models.

Thermo-plastic Hoses (700-Series)

- For demanding applications, featuring a 4:1 design factor
- Maximum working pressure of 10,000 psi
- Two layers of steel wire braids
- Outside jacket is polyurethane, to provide maximum abrasion resistance
- Exhibits low volumetric expansion under pressure to enhance overall system efficiency

Plastic-coated Nylon Hose (800-Series)

- Ideal for applications requiring non-conductive accessories
- Lightweight and long lasting plastic coating
- Designed to comply with Material Handling Institute IJ-100 hose specification
- 2:1 design factor

Heavy-duty Rubber Hoses (900-Series)

- The most complete offering: 35 models up to 50 feet in length
- Rubber coated with 2 layers of steel wire braids
- Designed to comply with Material Handling Institute IJ-100 hose specification
- Flexible, with little "memory", is the best choice for long hose runs
- 2:1 design factor

▼ Hose End Couplings

1/4" NPTF	
3/8" NPTF	
A-604	
A-630	
AH-604	
AH-630	
C-604	
CH-604	

High Pressure Hydraulic Hoses

Hose Oil Capacity

When using long hose lengths, it is sometimes necessary to fill the pump reservoir after filling the hoses. To determine the hose oil capacity, use the following:

For .25" internal diameter hoses:
Capacity (in³) = .5892 x Length (ft)

For .38" internal diameter hoses:
Capacity (in³) = 1.3608 x Length (ft)

Inside Diameter:

.25 and .38 inch

Length:

2-50 feet

Maximum Operating Pressure:

10,000 psi

**700
800
900
Series**



Internal Diameter (in)	Hose End Assemblies and Couplers*		Hose Length (ft)	700-Series Thermo-plastic		800-Series Plastic-coated Nylon		900-Series Heavy-duty Rubber	
	End one	End two		Model Number	Weight (lbs)	Model Number	Weight (lbs)	Model Number	Weight (lbs)
.25	1/4" NPTF	1/4" NPTF	6	—	—	—	—	H-9206Q	2.6
		3/8" NPTF	6	—	—	—	—	H-9206S	2.6
		A-630	6	HB-7206QB	2.4	—	—	HB-9206QB	3.1
		AH-630	6	—	—	—	—	HB-9206Q	2.9
		CH-604	6	HC-7206Q	2.3	—	—	HC-9206Q	3.0
	3/8" NPTF		2	H-7202	1.2	—	—	H-9202	1.6
			3	H-7203	1.5	—	—	H-9203	1.9
			6	H-7206	2.0	H-8206	1.7	H-9206	2.6
			10	H-7210	3.0	H-8210	2.6	H-9210	3.9
			20	H-7220	6.2	H-8220	5.3	H-9220	8.0
			30	H-7230	10.0	H-8230	8.6	H-9230	13.0
			50	H-7250	15.4	—	—	H-9250	22.0
		A-604	—	—	—	—	—	—	—
			6	HA-7206B	2.5	—	—	HA-9206B	3.2
			10	—	—	—	—	HA-9210B	4.5
		AH-604	—	—	—	—	—	—	—
			3	—	—	—	—	HA-9203	2.1
			6	HA-7206	2.2	—	—	HA-9206	2.9
			10	HA-7210	3.2	—	—	HA-9210	4.2
			6	HB-7206	2.2	—	—	HB-9206	2.9
		C-604	3	HC-7203B	2.2	—	—	HC-9203B	2.9
			6	HC-7206B	2.8	HC-8206B	2.4	HC-9206B	3.7
			10	HC-7210B	3.9	HC-8210B	3.3	HC-9210B	5.0
		CH-604	3	HC-7203	1.7	HC-8203	1.5	HC-9203	2.2
			6	HC-7206	2.3	HC-8206	2.0	HC-9206	3.0
			10	HC-7210	3.3	HC-8210	2.8	HC-9210	4.3
			20	HC-7220	6.4	HC-8220	5.5	HC-9220	8.3
	CH-604	CH-604	6	HC-7206C	2.4	—	—	HC-9206C	3.1
			50	HC-7250C	15.4	—	—	HC-9250C	20.0
.38	3/8" NPTF	3/8" NPTF	6	H-7306	3.5	H-8306	3.0	H-9306	4.6
			10	H-7310	5.4	H-8310	4.6	H-9310	7.0
			20	H-7320	10.0	H-8320	8.6	H-9320	13.0
			30	H-7330	16.2	H-8330	13.9	H-9330	21.0
			50	—	—	H-8350	21.8	H-9350	33.0
		CH-604	6	HC-7306	3.4	—	—	HC-9306	4.9
			10	HC-7310	5.6	—	—	HC-9310	7.3
			20	HC-7320	11.2	—	—	HC-9320	14.6

* For technical information on couplers see next page.

Lightweight Hand Pumps

▼ Pumps shown, from top to bottom: P-802, P-842, P-202, P-142



- Lightweight and compact design
- Durable glass-filled nylon reservoir and nylon encapsulated aluminum pump base for maximum corrosion resistance
- Two-speed operation on most models reduces handle strokes by as much as 78% over single speed pumps
- Lower handle effort to minimize operator fatigue
- Integral 4-way valve on P-842 for operation of double-acting cylinders
- Handle lock and lightweight construction for easy carrying
- Large oil capacities to power a wide range of cylinders or tools
- Non-conductive fiberglass handle for operator safety
- Internal pressure relief valve for overload protection

Exclusively from Enerpac



Cylinder Matching Chart

For help in selecting the correct hand pump for your application, please refer to the Cylinder Matching Chart located in the “Yellow Pages.”

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Speed Chart

To determine how a specific pump will operate your cylinder, see the Pump-Cylinder Speed Chart in the “Yellow Pages.”

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Tank Kits:

When a return-to-tank port is required, the Tank Kits provide a 7/16-20 port at the rear of the reservoir.

PC-20	Fits P-141, P-142
PC-25	Fits P-202, P-391, P-392

▼ P-392 in action with RSM-500 cylinders.

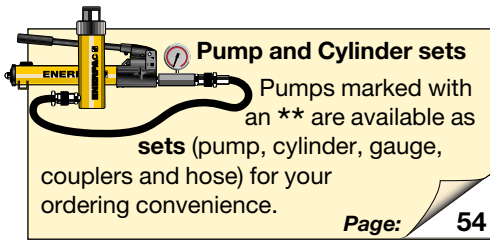


Pump Type	Usable Oil Capacity (in ³)	Model Number	Pressure Rating* (psi)		Oil Displacement per Stroke (in ³)		Max. Handle Effort (lbs)
			1 st stage	2 nd stage	1 st stage	2 nd stage	
Single-Speed	20	P-141	N/A	10,000	N/A	.055	72
	55	P-391	N/A	10,000	N/A	.151	85
Two-Speed	20	P-142**	200	10,000	.221	.055	78
	55	P-202	200	10,000	.221	.055	63
	55	P-392**	200	10,000	.687	.151	93
	155	P-802	400	10,000	2.40	.151	95
	155	P-842	400	10,000	2.40	.151	95

* Contact Enerpac for applications where operating pressure is less than 10% of pressure rating.

** Available as set, see note on next page.

Lightweight Hand Pumps



P Series



Reservoir Capacity:

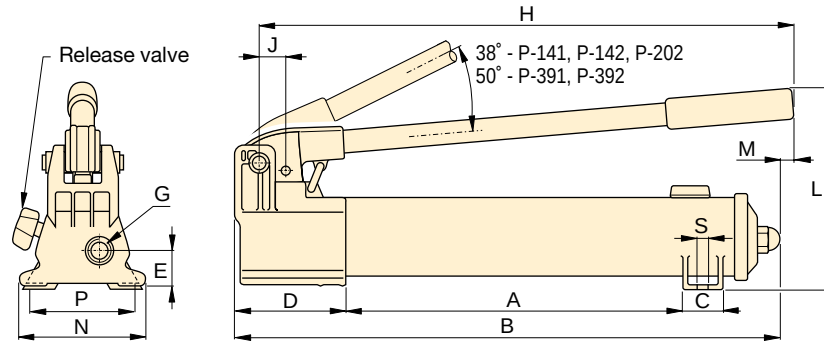
20-155 in³

Flow at Rated Pressure:

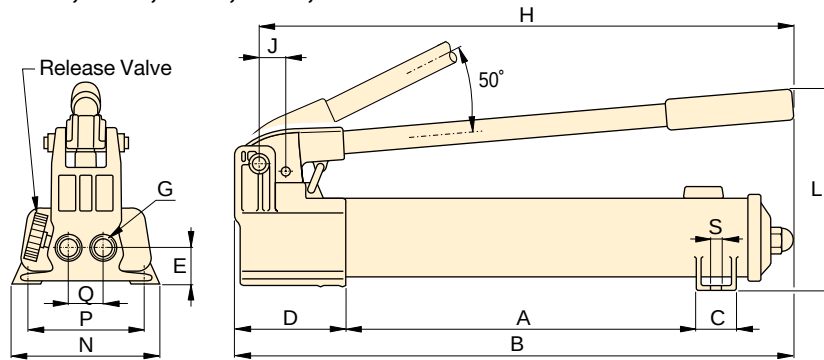
.055-.15 in³/stroke

Operating Pressure:

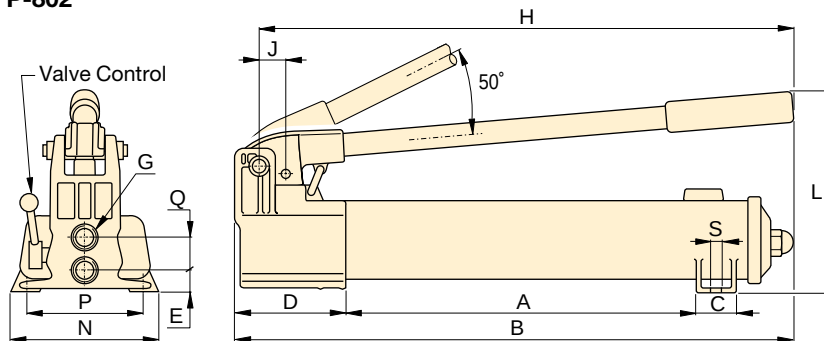
10,000 psi



P-141, P-142, P-202, P-391, P-392



P-802



P-842



Hoses

Enerpac offers a complete line of high quality hydraulic hoses. To ensure the integrity of your system, specify only genuine Enerpac hydraulic hoses.

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Gauges

Minimize the risk of overloading and ensure long, dependable service from your equipment. Refer to the

System Components section for a full range of gauges.

Page: 118



Aluminum Reservoir

For applications where composite reservoirs may not be suitable, the P-392AL utilizes an extruded

aluminum reservoir. Also included is a second handle for two-hand use. Contact Enerpac for details.

	Piston Stroke	Dimensions (in)														Weight	Model Number
	(in)	A	B	C	D	E	G	H	J	L	M	N	P	Q	S	(lbs)	
	.50	7.31	13.25	1.13	3.37	1.13	1/4"-18 NPTF	12.56	.75	5.63	—	3.75	3.18	—	.28	4.5	P-141
	1.00	13.56	21.00	1.44	3.93	1.31	3/8"-18 NPTF	20.56	1.19	7.00	.63	4.75	—	—	—	9.0	P-391
	.50	7.31	13.25	1.13	3.37	1.13	1/4"-18 NPTF	12.56	.75	5.63	—	3.75	3.18	—	.28	4.5	P-142**
	.50	13.56	20.06	1.44	3.37	1.13	1/4"-18 NPTF	15.75	.75	5.69	.63	3.75	—	—	—	7.5	P-202
	1.00	13.56	21.00	1.44	3.93	1.31	3/8"-18 NPTF	20.56	1.19	7.00	.63	4.75	—	—	—	9.0	P-392**
	1.00	13.30	21.75	1.78	5.25	1.39	3/8"-18 NPTF	20.75	2.19	9.00	—	7.12	4.75	1.40	.41	18.0	P-802
	1.00	13.30	21.75	1.78	5.25	.81	3/8"-18 NPTF	20.75	2.19	9.00	—	7.12	4.75	1.44	.41	22.0	P-842

3-Way Directional Control Valves

▼ Shown from left to right: VM-3, VSP-324, VM-3L, VSP-3, VM-2, VC-15



For Reliable Control of Single-Acting Cylinders



Push-Button Control Station

VSP 115 VAC solenoid valves are supplied with 8 ft. power cord and push-

button **IC** control station with 10 ft. control cord.

Solenoid Valve Type	Control station included
3-way, 3-position	IC-43
Auto-retract	IC-32

- 3-way, 3-position valves provide advance/hold/retract operation for use with single-acting cylinders
- Manual or solenoid operation
- Remote or pump mounting on most Enerpac pumps
- Return line kit included with remote valves
- Available “locking” option on VC and VM Series valves for load-holding applications
- Standard “locking” feature on VSP Series 3-position valves
- VSP solenoid valves can be converted to an “auto-retract” style valve by simply changing the IC Pendant (see page 128)

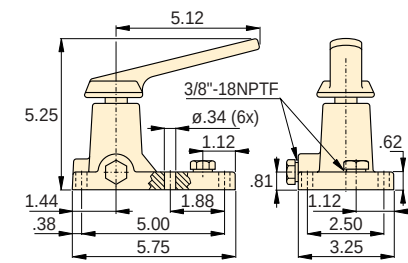
▼ A typical multi-cylinder control set-up using V and VC Series valves.



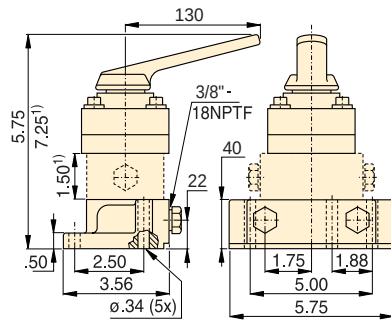
Valve Operation	Valve Location	Valve Type	
Manual	Pump Mounted	2-position	
Manual	Pump Mounted	3-position, Tandem Center	
Manual	Remote Mounted	3-position, Tandem Center	
Manual	Pump Mounted	3-pos., Tandem Center, Locking	
Manual	Remote Mounted	3-pos., Tandem Center, Locking	
Manual	Remote Mounted	3-position, Closed Center	
Manual	Remote Mounted	3-position, Closed Center, Locking	
Solenoid 115 VAC	Remote Mounted	3-position, Tandem Center	
Solenoid 115 VAC	Pump Mounted	3-position, Tandem Center	
Solenoid 24 VDC	Pump Mounted	3-position, Tandem Center	

3-Way Directional Control Valves

Valve dimension in inches

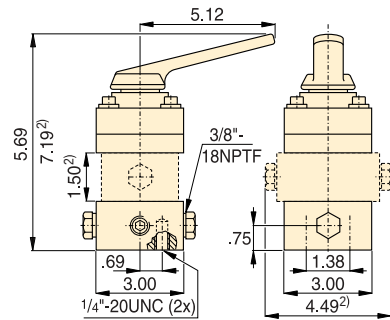


VM-2



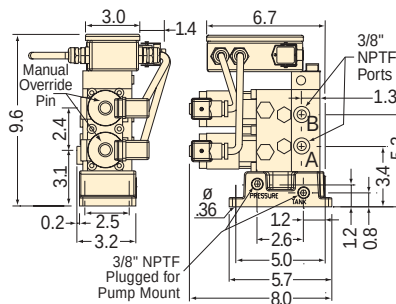
VM-3, VM-3L

1) VM-3L only



VC-3, VC-3L, VC-15, VC-15L

2) VC-3L and VC-15L only



VSP-3, VSPR-3

**VC,
VM,
VSP
Series**

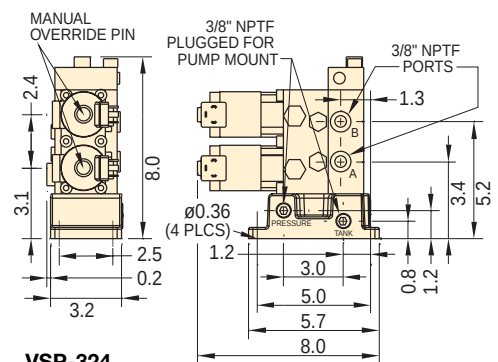


Flow Capacity:

4.5 gal/min

Maximum Operating Pressure:

10,000 psi



VSP-324

Model Number	Hydraulic Symbol	Schematic Flowpath			Weight (lbs)
		Advance	Hold	Retract	
VM-2					4.8
VM-3					4.6
VC-3					6.4
VM-3L					8.6
VC-3L					10.3
VC-15					6.4
VC-15L					10.3
VSPR-3					24.0
VSP-3					24.0
VSP-324					23.5



VSPCK24 Conversion Kit

For use when replacing a VS-324 with a VSP-324.



Locking Valves

For applications that require positive load holding, VC and VM Series valves (except the VM-2 valve) are available with a pilot-operated check valve. This option provides hydraulic locking of the load until the valve is shifted into the retract position.

To order this feature, place an "L" at the end of the model number.