

SAILTEC™



Marine Hydraulic Systems

Hydraulic Integral Adjusters



Hydraulic Integral Adjusters

As boats get bigger and headstays longer, both easy adjustment and accurate backstay tension become increasingly important. The solution to this is hydraulics.

A hydraulically controlled backstay permits quick adjustment of headstay sag and mast bend, which can make boats sail faster, point higher, and make furling and reefing much easier.

The integral hydraulic adjuster should offer simple installation, easy operation, and effective adjustment with an accurate pressure gauge.

Sailtec offers all of this and much more in all of its integral adjusters. Sailtec also offers all of this at a lower cost than any other manufacturer.

The Sailtec Integral Adjuster is the right choice for all sailors with boats from 28' to 75' when only one hydraulic adjuster is desired.

Cylinder: All Sailtec cylinders are aircraft-quality aluminum alloy, precision gun drilled, honed, polished, and anodized to retain their attractive appearance and performance for years of service.

Locking Option: The mechanical device locks the rod in position, allowing release of hydraulic pressure. Also, the threaded rod can be marked for upwind and downwind positions, allowing consistent repeatability, without checking the pressure gauge.

Pressure Relief Valve: The pressure relief valve is one of the more important features on all Sailtec integral adjusters. This feature will not allow over tensioning of the rigging.

Valving: Sailtec uses a cartridge valve to control pressure. The valve is a ball valve and can be replaced in the field. This type of cartridge release valve prevents damage to the pump and is more reliable than other brands.

Gauge: Sailtec gauges feature wide-arc, dual-scale (psi/kg) dial faces for the accurate reading of pressure.

Piston/Piston Rod: Type 316 stainless steel piston rods are larger and stronger than competing hydraulics on the market, an important feature to prevent bending and premature seal wear caused by side loads.

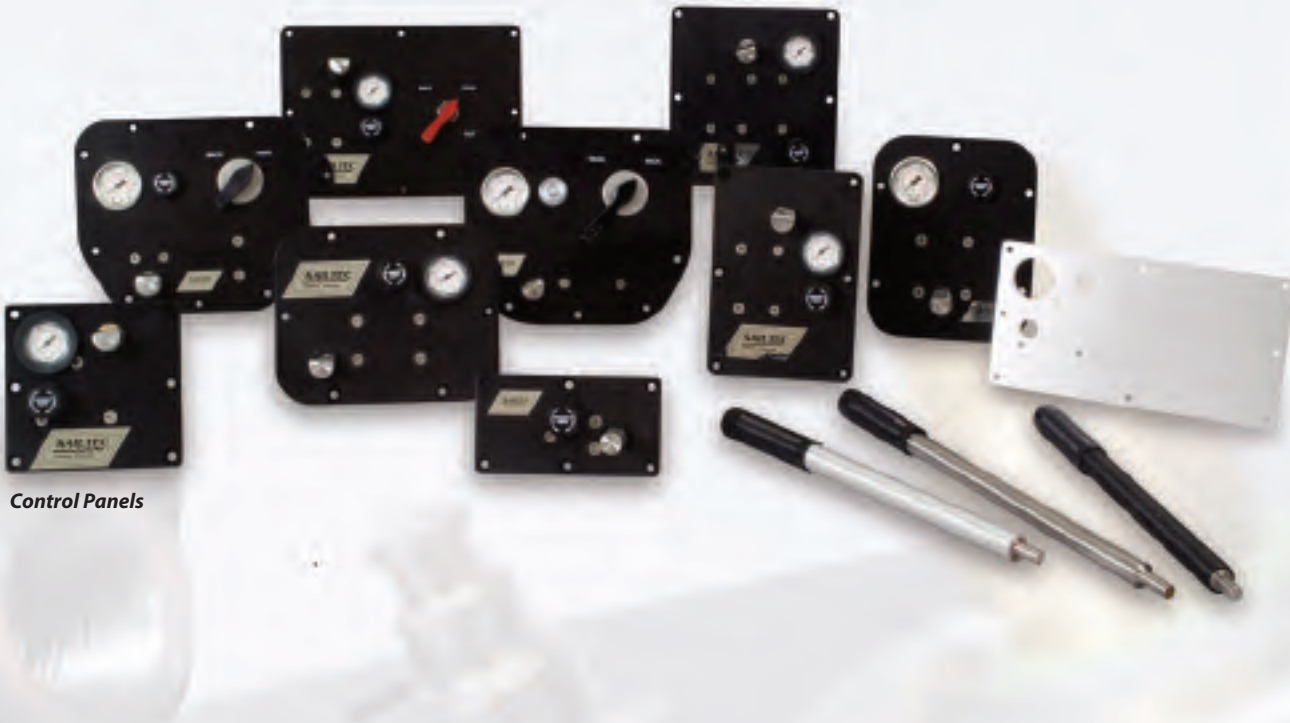
Stroke: Integrals are available in both standard and long stroke.

CYLINDER	MODEL NO.	PISTON ROD SIZE		TENSION		CABLE/WIRE MAX. SIZE		PIN DIAMETER		LENGTH				STROKE	
		INCH	MM	LB	KG	INCH	MM	INCH	MM	CLOSED		OPEN		INCH	MM
-08 Standard	08SI	1/2"	12.7	3250	1477	1/4"	6.4	7/16"	11.1	21.9	555	30.8	781	8.9	226
-08 Long	08LI									26.0	660	38.8	987	12.9	327
-10 Standard	10SI	5/8"	15.9	4750	2152	9/32"	7.0	1/2"	12.7	23.0	584	32.5	824	9.5	241
-10 Long	10LI									27.0	686	40.5	1029	13.5	343
-10 Std Locking	10SLKI									39.0	990	47.5	1206	8.5	216
-10 Long Locking	10LLKI									48.0	1219	60.5	1536	12.5	318
-12 Standard	12SI	3/4"	19.0	6500	2945	5/16"	8.0	5/8"	15.9	24.0	609	34.0	863	10.0	254
-12 Long	12LI									28.0	711	42.0	1068	14.0	356
-12 Std Locking	12SLKI									40.0	1016	49.0	1244	9.0	229
-12 Long Locking	12LLKI									49.0	1244	62.0	1574	13.0	330
-17 Standard	17SI	3/4"	19.0	8750	3963	3/8"	9.6	5/8"	15.9	25.0	635	35.0	890	10.0	254
-17 Long	17LI									29.0	737	43.0	1092	14.0	356
-17 Std Locking	17SLKI									44.0	1178	53.0	1346	9.0	229
-17 Long Locking	17LLKI									53.0	1346	66.0	1676	13.0	330
-22 Standard	22SI	7/8"	22.0	11500	5209	7/16"	11.2	3/4"	19.0	29.0	737	40.0	1016	11.0	279
-22 Long	22LI									33.0	838	49.0	1244	16.0	408
-22 Std Locking	22SLKI									48.0	1219	58.0	1473	10.0	254
-22 Long Locking	22LLKI									57.0	1448	70.7	1795	13.8	319
-30 Standard	30SI	1"	25.4	20600	9332	1/2"	12.7	7/8"	25.4	34.0	864	45.0	1142	11.0	279
-30 Long	30LI									40.0	1016	56.5	1435	16.5	421

Data subject to change.



Remote Panel Pump Overview



Control Panels

Pumps mounted on a panel and located in the cockpit, on the pedestal, near the rail(s), or on any bulkhead, can drive one or more cylinders located anywhere in the boat.

Generally, remote panel pumps result in less crew, more control, and faster cylinder action than integral pumps. They can be configured to push or pull rams for common applications such as backstays, vang, forestays, outhauls, and many “uncommon” custom applications, such as manual swim platform cylinders, canting keels, mast jacks, and others.

Selection can depend on class rules, size, depth, weight, speed of operation, cost, and appearance.

Sailtec produces a range of proven, durable, and reliable panel-mounted pumps that allow you to select a panel to balance the factors of size, speed, and cost with the needs of your boat. Other brands expect you to take their limited size, speed, and cost and find a place to install them. We believe the Sailtec panel selection is the broadest, smallest, fastest, most cost effective, and most durable in the industry. The high level of customer satisfaction, factory support, and nice appearance are bonuses.

MODEL	DESCRIPTION	PANEL DIMENSIONS		SPEED*		SPEED**	FEATURES / COMMENTS
		H X W X D INCH	H X W X D MM	IN ³	ML		
T7 Panel	Single Acting Pump	3.5 x 6.5 x 2.5	89 x 165 x 63	0.16	2.6	84	No gauge. Handle projects. 15" from panel face.
T6 Panel	Single Acting Pump	6.1 x 6.1 x 2.5	157 x 156 x 64	0.16	2.6	84	Gauge. Handle sweeps side to side. Very compact.
T5 Panel	Double Acting Pump	8.6 x 6.0 x 4.5	219 x 152 x 114	0.30	5.0	44	Gauge. Handle sweeps side to side. Currently the fastest panel in the industry.
T5HS Panel	Double Acting Pump	8.8 x 10.0 x 4.5	223 x 254 x 114	0.34	5.5	39	Larger 2" dia. gauge than T5. Attractive design. Fast acting. Handle location improved.
M Panel	Double Acting Pump	8.8 x 7.0 x 2.5	223 x 178 x 63	0.38	6.2	35	Large 2" dia. gauge. Shallow depth. Attractive. Fastest pump available to market.
TX6 Panel	Single Acting Pump	8.8 x 7.0 x 2.5	223 x 178 x 63	0.18	2.9	75	Large 2" dia. gauge. Shallow depth. Attractive.
	Two Speed Autoshift	8.8 x 11.0 x 5.0	222 x 279 x 127	0.75	12.2	19	Operates full capacity to 2000 psi and half capacity from 2000 to 5000 psi.

*Volume of oil per pump strokes. **Number of strokes to retract a -12 cylinder ram 10".

Data subject to change.

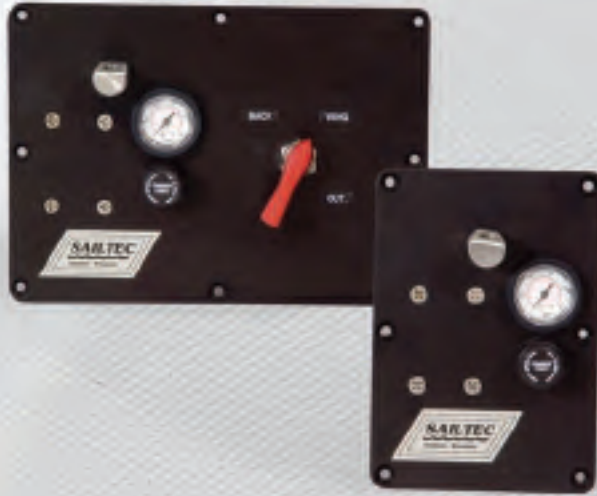
For more information call: 920-233-4242 or email: info@sailtec.com



Hydraulic Panel Pumps

MODEL T5 PANEL PUMP

For remote pumps to control cylinders such as backstays, vang, outhauls, forestays, etc., these double-acting pumps are **still faster, still more economical,** and **still easier to install than competitive models.**



Features

- ◆ The most popular combination of performance and economy
- ◆ Double acting
- ◆ Very fast – up to 5.0 ml/stroke
- ◆ Small footprint
- ◆ Self-purging of air, and self-priming
- ◆ Proven durability
- ◆ Easy to install

Construction

- ◆ Aircraft-quality aluminum
- ◆ Filtered intake from reservoir
- ◆ Adjustable relief valve
- ◆ Nearly flush gauges
- ◆ Valves - zero leakage to 6000 psi

All panels come complete with handle, hardware, reservoir, and reservoir hose.

DESCRIPTION	PANEL DIMENSIONS		DEPTH		WEIGHT		PART No.
	INCH	MM	IN	MM	LB	KG	
1 Function	8.6 x 6.0	218 x 152	4.3	109	5.5	2.45	T5-1
2 Function	8.6 x 12.0	218 x 305	4.3	109	6.1	2.70	T5-2
3 Function	8.6 x 12.0	218 x 305	4.3	109	7.4	3.29	T5-3
4 Function	8.6 x 12.0	218 x 305	4.3	109	7.4	3.29	T5-4

Data subject to change.

.Proven for rugged, durable, trouble-free operation, the Sailtec T5 Model has been time tested with installations worldwide. The T5 Model outperforms competing systems handily.

Measure the difference for yourself.

Cylinder Rams	To Retract 10" (254mm)	
	Pump Strokes Needed	Seconds Needed <small>(When pumping two strokes per second)</small>
-10	31	16
-12	44	22
-17	65	33
-22	84	42



NEW 2008 Hydraulic Panel Pumps

MODEL T5HS PANEL PUMP

The same rugged, reliable construction you have come to depend upon with the T5 Panel Pump (page 4), with numerous upgrades.



Features

- ◆ New, attractive design
- ◆ Double-acting, high efficiency
- ◆ 12% faster than T5 @ 5.6 ml/stroke
- ◆ 60% faster than most popular competing systems
- ◆ Gauge – large, 2" diameter, easy to read, flush mount; all stainless steel case
- ◆ 5000 psi maximum pressure
- ◆ Self purging of air, self priming
- ◆ Easy to install

Construction

- ◆ Aircraft-quality aluminum
- ◆ Filtered intake from reservoir
- ◆ Adjustable relief valve
- ◆ Flush gauges, 2" diameter Type 316 stainless steel case
- ◆ Valves – zero leakage to 6000 psi

All panels come complete with handle, hardware, reservoir, and reservoir hose.

DESCRIPTION	PANEL DIMENSIONS		DEPTH		WEIGHT		PART No.
	INCH	MM	IN	MM	LB	KG	
1 Function	7.0 x 8.63	178 x 219	4.6	117	6.1	2.7	T5HS-1
2 Function	8.8 x 10.0	222 x 254	4.6	117	7.0	3.1	T5HS-2
3,4 Function	8.8 x 10.0	222 x 254	4.6	117	7.5	3.4	T5HS-4

Data subject to change.

This new style T5HS Panel Pump adds style, speed, and greater functionality to the already powerful T5 Panel (page 4). Careful sculpting of internal parts and passages has enabled us to increase the speeds and efficiency of the pump, change the location of the gauge and handle, and improve the face design.

Measure the difference for yourself.

Cylinder Rams	To Retract 10" (254mm)	
	Pump Strokes Needed	Seconds Needed <small>(When pumping two strokes per second)</small>
-10	27	14
-12	39	20
-17	58	29
-22	75	38

For more information call: 920-233-4242 or email: info@sailtec.com



Hydraulic Panel Pumps

MODEL T6 & T7 PANEL PUMP

These popular, single-acting hydraulic pumps provide a popular yet economical option for remote cylinder control.



Features

- ◆ Single-acting panel pump
2.6 ml/stroke
- ◆ 5000 psi
- ◆ Small footprints
- ◆ Shallow depth @ 2-1/2" (64 mm)
- ◆ Economical

Construction

- ◆ Aircraft-quality aluminum alloy
- ◆ Filtered intake from reservoir
- ◆ Adjustable relief valve
- ◆ Recessed gauge – nearly flush
- ◆ Valve – zero leakage to 6000 psi

All panels come complete with handle, hardware, reservoir, and reservoir hose.

DESCRIPTION	PANEL DIMENSIONS		DEPTH		WEIGHT		PART No.
	INCH	MM	IN	MM	LB	KG	
1 Function (T6)	6.0 x 6.0	152 x 152	2.8	71.0	3.3	1.5	T6-1
2 Function (T6)	6.0 x 10.0	152 x 254	3.0	76.2	4.0	1.8	T6-2
1 Function (T7)	3.6 x 6.5	90 x 165	2.8	71.0	2.9	1.4	T7-1

Data subject to change.

These popular, single-acting panel pumps may not be the fastest remote-panel pumps available (unlike the T5 and T5HS on pages 4 and 5), but they do outperform integral adjusters and allow remote pumping and control of vang, backstays, and other cylinders for boats up to 50 feet. The small size and shallow depth are approximately half those of other systems, allowing a great deal of flexibility when choosing the location.

Speeds can be measured in a similar way to other panels shown on pages 4 and 5.

Cylinder Rams	To Retract 10" (254mm)	
	Pump Strokes Needed	Seconds Needed <small>(When pumping two strokes per second)</small>
-10	58	30
-12	84	45
-17	124	70
-22	160	90



NEW 2008 Hydraulic Panel Pumps

MODEL M MAXI PUMP

Especially designed for pedestals, where clearance can be a challenge. The M series pump's weight and size permit installation in locations impossible to consider before.

Features

- ◆ Unmatched speed
- ◆ .375 in³ (6.15mm/stroke)
- ◆ Compact – only 2.5" deep (62mm)
- ◆ Attractive style
- ◆ Large gauge with 2" diameter
- ◆ All stainless steel gauge case

Construction

- ◆ Aircraft-quality aluminum
- ◆ Filtered intake from reservoir
- ◆ Adjustable relief valve
- ◆ 2" diameter Type 316 stainless steel gauge case
- ◆ Valves – zero leakage to 6000 psi
- ◆ Redundant check valves

All panels come complete with handle, hardware, reservoir, and reservoir hose.



DESCRIPTION	PANEL DIMENSIONS		DEPTH		WEIGHT		PART No.
	INCH	MM	IN	MM	LB	KG	
1 Function	8.8 x 7.0	222 x 177	2.5	62	5.7	2.6	M1
2 Function	8.8 x 10.0	222 x 254	3.6	90	6.7	3.1	M2
3,4 Function	8.8 x 10.0	222 x 254	4.5	117	7.8	3.5	M4

Data subject to change.

We have the M Model to provide the next generation of panels, incorporating unmatched speed, efficiency, attractive styling, and small and shallow depth.

Measure the difference for yourself.

Cylinder Rams	To Retract 10" (254mm)	
	Pump Strokes Needed	Seconds Needed <small>(When pumping two strokes per second)</small>
-10	25	13
-12	35	18
-17	52	26
-22	68	34

For more information call: 920-233-4242 or email: info@sailtec.com



Custom Components



Power Pak and Custom Items



Cylinders can be customized to include:

- ◆ Custom strokes to 3500mm
- ◆ Custom finishes, including stainless steel
- ◆ Customer applications such as push/pull
- ◆ Custom sizes to 50 tons
- ◆ Custom end jaws or eyes

Panel layout, functions, or finishes can be manufactured to your exacting specifications.

Custom mounts for furling hubs, radar tubes, cylinder toggles, and risers.



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Cylinders



Cylinders

Sailtec has designed its cylinders to be reliable, long-lasting, and efficient. Sailtec has done this by using high-strength aluminum alloys and advanced manufacturing techniques. Sailtec also uses Molyguard bearing on the piston and the upper end to ensure cylinder and piston rod scoring does not occur while under side load.

Sailtec cylinders are available in three standard stroke lengths with pneumatic return or double-acting feature. Aluminum upper jaws are standard on all cylinders. All exterior surfaces are hard anodized for greater corrosion resistance, and to retain their attractive appearance for many years of service.

The Sailtec Locking Option is available on both standard and long-stroke cylinders. This mechanical device locks the cylinder in position, thus allowing the release of hydraulic pressure. Also, the threaded lock rod can be marked for upwind and downwind positioning.

Sailtec cylinders are designed to pull (typically), push, or both with common applications such as backstays, forestays, outhauls, and travelers. Sailtec cylinders have proven to be reliable, long-lasting and efficient. High-strength aluminum and T-316 stainless alloys and state-of-the-art manufacturing techniques result in precision, zero-leak cylinders with even seal loads and minimal seal wear. The upper jaw, lower jaw, and cylinder are made of high-strength, heat-treated aluminum alloy, precision-honed, and polished for appearance.

The stock cylinders available can also be custom built with polished T-316 steel, custom stroke lengths to 100" (2,500mm), threaded rod ends for turnbuckle bodies, and configured to pull hydraulic/push pneumatic or push/pull hydraulically.

CYLINDER SIZE	MODEL NO.	PISTON ROD SIZE		TENSION AT 5000 PSI		BREAKING STRENGTH		MAX. WIRE SIZE		GAP & PIN		LENGTH				STROKE	
		INCH	MM	LB	KG	LB	KG	INCH	MM	INCH	MM	CLOSED		OPEN		INCH	MM
-08	08SC	1/2"	12.7	3000	1363	9400	4272	1/4"	7.0	7/16"	11.1	19.0	483	28.0	711	9.0	228
	08LC											23.1	587	36.1	918	13.0	330
	08FR											30.1	765	49.1	1248	19.0	483
-10	10SC	5/8"	15.9	4750	2152	12500	5660	9/32"	7.0	1/2"	12.7	20.5	520	30.0	762	9.5	241
	10LC											24.5	621	38.0	965	13.5	343
	10FR											35.5	902	57.5	1460	22.0	559
-12	12SC	3/4"	19.0	6500	2945	18500	8380	5/16"	8.0	5/8"	15.9	22.0	559	32.0	812	10.0	254
	12LC											26.0	660	40.0	1016	14.0	356
	12FR											42.5	1080	66.5	1690	24.0	610
-17	17SC	3/4"	19.0	8750	3963	22500	10200	3/8"	9.6	5/8"	15.9	23.0	584	33.0	838	10.0	254
	17LC											27.0	685	41.0	1041	14.0	356
	17FR											46.0	1168	74.0	1880	28.0	711
-22	22SC	7/8"	22.0	11500	5209	30000	13500	7/16"	11.2	3/4"	19.0	24.5	622	35.5	902	11.0	279
	22LC											29.5	749	45.5	1156	16.0	406
	22FR											52.5	1333	87.5	2222	35.0	914
-30	30SC	1.0"	25.4	20600	9332	40000	18000	1/2"	12.7	7/8"	22.0	28.0	711	39.0	991	11.0	279
	30LC											33.5	851	50.0	1270	16.5	419
	30FR											58.0	1473	98.0	2488	40.0	1016
-40	40SC	1.0"	25.4	32180	14578	52000	23500	5/8"	15.9	1.0"	25.4	30.0	762	42.0	1067	12.0	304
	40LC											36.0	914	54.0	1372	19.0	482
	40FR											64.7	1643	109.7	2769	45.0	1143
-60	60SC	1-1/4"	31.8	42500	19252	84000	38000	3/4"	19.0	1-1/4"	31.8	34.7	881	48.7	1237	14.0	356
	60LC											41.6	1056	62.6	1590	21.0	533

Sizes up to -150. Please call for a quote.

Data subject to change.



Hydraulic Boom Vangs

Sailtec manufactures boom vang in the same manner as its standard cylinders. The boom vang has a nitrogen return system and in most cases will support the weight of the boom, eliminating the need for a topping lift.

- ◆ Tension is 5000 psi or 350 bar.
- ◆ Return force is at 500 psi or 35 bar.
- ◆ Length is pin-to-pin closed and will be adjusted to meet your EXACT REQUIREMENTS, and may be subject to custom length charges.
- ◆ Stainless cylinders available.
- ◆ Standard finish is hard coat black anodized.



Hydraulic Boom Vang

CYLINDER SIZE	MODEL NO.	PISTON ROD SIZE		TENSION AT 5000 PSI		LENGTH		STROKE		RETURN FORCE	
		INCH	MM	LB	KG	INCH	MM	INCH	MM	LB	KG
-08	-08BV	1/2"	12.7	3300	1500	60"	1524	9.5"	241	400	180
-10	-10BV	5/8"	16.0	4750	2100	70"	1778	9.5"	241	620	280
-12	-12BV	3/4"	19.0	6500	2850	72"	1828	10.0"	254	883	405
-17	-17BV	7/8"	22.0	8300	3820	76"	1955	11.0"	279	1202	547
-22	-22BV	7/8"	25.0	12500	5600	84"	2132	11.0"	279	1600	726
-30	-30BV	1-1/4"	32.0	21200	9615	as specified		12.0"	305	2450	1110
-40	-40BV	1-1/4"	32.0	29900	13560	as specified		12.0"	305	3600	1635
-60	-60BV	1-1/2"	38.0	39980	18100	as specified		14.0"	356	4810	2180
-90	-90BV	1-3/4"	45.0	51810	23500	as specified		16.0"	406	6283	2850
-110	-110BV	2-1/8"	51.0	64430	29100	as specified		18.0"	457	7950	3620
-150	-150BV	2-3/8"	60.0	77100	35000	as specified		18.0"	457	9820	4450

Data subject to change.

Boom Vang Jaw Specifications

SIZE	JAW MODEL NO.	A-GAP		B-PIN		C-PIN & DEPTH		D-SLOT DEPTH	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM
-08	108 650 Upper	0.440	11.1	7/16"	11.1	0.71	18.1	1.74	44.0
	108 600 Fixed	0.510	12.5	7/16"	11.1	0.68	17.3	1.60	40.6
-10	110 600 Upper	0.680	17.0	1/2"	12.7	0.93	23.6	1.80	45.7
	110 650 Fixed	0.660	16.7	1/2"	12.7	1.06	26.9	1.85	46.7
-12	112 600 Upper	0.687	17.4	5/8"	15.9	1.03	26.1	2.38	60.4
	112 650 Fixed	0.660	16.7	5/8"	15.9	1.13	28.7	2.16	54.8
-17	122 608 Oil	0.660	16.7	5/8"	15.9	1.03	26.1	2.68	68.0
	117 650 Fixed	0.650	16.7	5/8"	15.9	1.13	28.7	2.16	54.8
-22	122 608 Oil	0.660	16.7	5/8"	15.9	1.03	26.1	2.68	68.0
	117 650 Fixed	0.660	16.7	5/8"	15.9	1.13	28.7	2.16	54.8
-30	130 608 Oil	0.875	22.2	3/4"	19.0	1.35	34.3	3.69	93.7
	122 650 Fixed	0.787	20.0	3/4"	19.0	1.53	38.8	3.25	82.5
-40	140 608 Oil	1.000	25.4	7/8"	22.0	1.35	34.3	3.69	93.7
	130 650 Fixed	1.000	25.4	7/8"	22.0	1.33	33.8	2.85	72.4
-60	160 608 Oil	1.250	31.8	1.0"	25.4	1.88	47.7	3.50	88.9
	140 650 Fixed	1.250	31.8	1.0"	25.4	1.88	47.7	3.25	82.5
-90	190 608 Oil	1.250	32.0	1-1/4"	32.0	2.87	52.6	4.51	116.1
	160 650 Fixed	1.250	32.0	1-1/4"	32.0	2.87	52.6	4.38	111.2
-110	1110 608 Oil	1.375	35.0	1-3/8"	35.0	2.33	59.1	5.50	140.0
	190 650 Fixed	1.375	35.0	1-3/8"	35.0	2.50	63.1	5.50	140.0
-150	1150 608 Oil	1.500	38.0	1-1/2"	38.0	2.70	68.5	6.00	154.0
	1110 650 Fixed	1.500	38.0	1-1/2"	38.0	2.80	65.8	6.00	154.0

Data subject to change.



Oil Jaw

Made of the SAME HIGH QUALITY materials used for Sailtec cylinders, vang have heavier piston rods than cylinders. Models -17 and larger have a passage in the piston rod to permit plumbing the system pressure to the ram jaw to reduce the amount of the deck hose.



Accessories and Fittings

Accessories

- 43010 Pump Handle - Integral
- 43020 Pump Handle - Panel
- 43111 Pressure Gauge
- 43120 Remote Gauge
- 43210 3/16" Thru Deck Gland
- 43212 1/4" Thru Deck Gland
- 43310 Remote Release Valve
- 43315 Remote Valve Hose Kit
- 43410 Cartridge Valve Assembly
- 43411 Knurled Knob for Cartridge Valve
- 43440 Pneumatic Valve
- 43445 Pneumatic Valve Charge Hose/Adapter
- 43510 One-Quart Reservoir
- 43620 Two-Quart Reservoir
- 66940 -10 JET 1/2"
- 66941 -12/17 JET 5/8"
- 66944 -22 JET 3/4"
- 66946 -30 JET 7/8"
- 66948 -40 JET 1"



Accessories and Fittings

Hydraulic Fittings and Hoses

- 66100 1/4" SS tubing/ft.
- 66110 520N-3 Kevlar 5000 psi, 3/16" hose/ft.
- 66112 520N-4 Kevlar 5000 psi, 1/4" hose/ft.
- 66220 1/4" Reservoir Hose
- 66310 10655-4-3 Steel Swage on Hose End Fitting (3/16")
- 66312 10655-4-4 Steel Swage on Hose End Fitting (1/4")
- 66320 10655-4-3 SS Swivel Swage on End Fitting (3/16")
- 66322 10655-4-4 SS Swivel Swage on End Fitting (1/4")
- 66410 1/4" Hose Barb
- 66510 4-4 CTX-S Steel Elbow
- 66520 4-4 CTX-SS Stainless Steel Elbow
- 66530 4-4 FTX-S Steel Union
- 66540 4-4 FTX SS Stainless Union
- 66550 4-BTX-S Steel Nut
- 66560 4-BTX-SS Stainless Nut
- 66700 4-JTX-S Steel Union Tee
- 66710 4-JTX-SS Stainless Union Tee
- 66720 4-HTX-S Steel Union Tee
- 66750 3-P50N-S Steel Plug
- 66790 4-TX-S Steel Sleeve
- 66800 4-TX-SS Stainless Sleeve
- 66900 4-WBTC-SS Stainless Thru Deck Elbow
- 66910 4-WBTX-SS Stainless Thru Deck Straight
- 66920 4-STX-S (2) 37 Degree Flare & (1) NPTF Steel Tee
- 66930 4-STX-SS(2) 37 Degree Flare & (1) NPTF Stainless Tee
- 67200 4-4F6X-SS Adaptor 37 Degrees to 1/4NPT-SS
- 67210 SS H 2-63Y Stainless Quick-Disconnect-Nipple
- 67220 SS H 2-62Y Stainless Quick-Disconnect-Coupler

Service Parts

- 43007 Pump Piston Assembly - Integral
- 43008 Pump Lever / Piston Assembly
- 43111 Gauge, psi / kg 1.5"
- 43112 Gauge, psi / kg 2.0"
- 43410 Cartridge Release Valve Assembly
- 43411 Knurled Knob for Valve
- 43412 Cartridge Valve Rebuild Kit
- 43413 Lock Jaws for Locking Option

Seal Kits

- 42000 Integral Pump Seals
- 42010 -10 Cylinder Seals
- 42012 -12 Cylinder Seals
- 42017 -17 Cylinder Seals
- 42022 -22 Cylinder Seals
- 42030 -30 Cylinder Seals
- 42040 -40 Cylinder Seals
- 42060 -60 Cylinder Seals
- 43420 T5 Panel Seal Kit
- 43421 T6 Panel Seal Kit





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