

Marine Hydraulic Systems

SAILTEC

Hydraulic Integral Adjusters



Hydraulic Integral Adjusters

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.

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.

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.

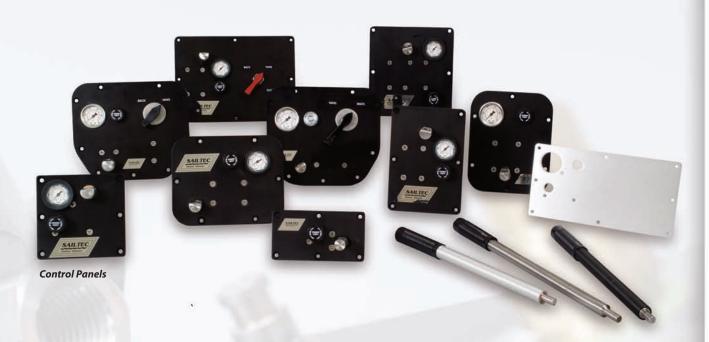
Stroke: Integrals are available in both standard and long stroke.

CYLINDER	MODEL NO.		TON SIZE	TEN	SION	CABLE MAX		PI DIAM		CLC	LEN DSED	NGTH OI	PEN	STRO	OKE
		INCH	MM	LB	KG	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	ММ
-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



SAILTEC

Remote Panel Pump Overview



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, vangs, 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.

		PANEL DI	MENSIONS					
		нх	WXD	SP	EED*			
MODEL	DESCRIPTION	INCH	ММ	IN ³	ML	SPEED**	FEATURES / COMMENTS	ge.
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.	ang
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.	cP
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.	to
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.	ect
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.	ubject
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.	a si
Two S	peed 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.	Dat

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



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, vangs, 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 ٠
- Proven durability
- Easy to install +

Construction

- Aircraft-quality aluminum
- Filtered intake from reservoir ٠
- Adjustable relief valve ٠
- Nearly flush gauges
- Valves zero leakage to 6000 psi

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

DESCRIPTION	PANEL DI	MENSIONS	DE	PTH	WE	IGHT	PART
	INCH	MM	IN	MM	LB	KG	No.
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						

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	To Retract 10)" (254mm)
Rams	Pump Strokes Needed	Seconds Needed (When pumping two strokes per second)
-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 DI	MENSIONS	DEF	РТН	WEI	GHT	PART
	INCH	MM	IN	MM	LB	KG	No.
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 ch	22000						

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



SAILTEC

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 DI	MENSIONS	DE	PTH	WEI	GHT	PART
	INCH	MM	IN	MM	LB	KG	No.
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 ch	ange						

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 vangs, 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	To Retract 10	To Retract 10" (254mm)								
Rams	Pump Strokes Needed	Seconds Needed (When pumping two strokes per second)								
-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 DI	MENSIONS	DEF	PTH	WEI	GHT	PART
	INCH	MM	IN	MM	LB	KG	No.
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 ch	nande	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

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

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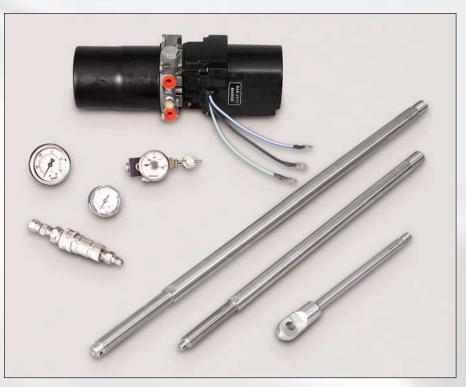
Measure the difference for yourself.

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





Custom Components



Power Pak and Custom Items

SAILTEC



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.





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.		TON SIZE	TENS AT 50		BREA STREM		MAX. SIZ		GAP &	PIN	CLC	LEN DSED	igth Of	PEN	STR	OKE	
		INCH	MM	LB	KG	LB	KG	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	1
-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	ge.
	30FR											58.0	1473	98.0	2488	40.0	1016	change
-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	t t
	40FR											64.7	1643	109.7	2769	45.0	1143	subject to
-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	Data

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

Hydraulic Boom Vangs

Sailtec manufactures boom vangs 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.	PIST ROD			SION 000 PSI	LE	NGTH	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	Jge.
-30	-30BV	1-1/4"	32.0	21200	9615	as spe	ecified	12.0"	305	2450	1110	han
-40	-40BV	1-1/4"	32.0	29900	13560	as spe	ecified	12.0"	305	3600	1635	toc
-60	-60BV	1-1/2"	38.0	39980	18100	as spe	ecified	14.0"	356	4810	2180	UU
-90	-90BV	1-3/4"	45.0	51810	23500	as spe	ecified	16.0"	406	6283	2850	ubje
-110	-110BV	2-1/8"	51.0	64430	29100	as spe	ecified	18.0"	457	7950	3620	S
-150	-150BV	2-3/8"	60.0	77100	35000	as spe	ecified	18.0"	457	9820	4450	Data

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
-110	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



Oil Jaw

Made of the SAME HIGH QUALITY materials used for Sailtec cylinders, vangs 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.



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

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Accessories and Fittings

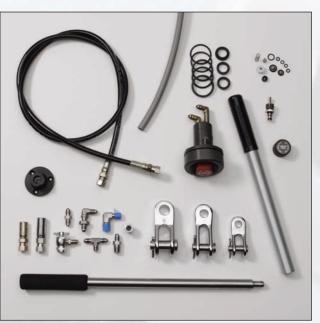
Accessories

Pump Handle - Integral
Pump Handle - Panel
Pressure Gauge
Remote Gauge
3/16" Thru Deck Gland
1/4" Thru Deck Gland
Remote Release Valve
Remote Valve Hose Kit
Cartridge Valve Assembly
Knurled Knob for Cartridge Valve
Pnuematic Valve
Pnuematic Valve Charge Hose/Adapter
One-Quart Reservoir
Two-Quart Reservoir
-10 JET 1/2"
-12/17 JET 5/8"
-22 JET 3/4"
-30 JET 7/8"
-40 JET 1"

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-WEBTC-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
66020	4 STV SS(2) 27 Degree Flare 9 (1) NDTE Staipless Tee

- 4-STX-SS(2) 37 Degree Flare & (1) NPTF Stainless Tee4-4F6X-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



Accessories and Fittings

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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