



DITEQ

DITEQ Corporation Hydraulic Tools & Accessories

DITEQ Corporation is a solutions driven company that manufactures leading edge diamond tooling and equipment for the concrete industry. We put the customer first with our state of the art manufacturing facilities in Kansas, Southern California, Georgia, and South Korea. Our aim is to provide you with dependable, high quality products and exceptional service before and after the sale.

In order to better serve our clients, we have partnered with some of the leading manufacturers in our industry. Our partners provide additional high quality performance equipment, tooling, and accessories for a complete jobsite solution. DITEQ maintains North American exclusivity with the Hycon and Shibuya product lines. We see the incredible potential, growth, value, and reliability in Hydraulic equipment and tooling. Please enjoy our expanded offerings in this catalog.

Discover the DITEQ Difference!

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- Lightweight – highest power to weight ratio of any type of hand tools on the market today
- Systems approach – one powerpack can run a variety of different types of tools
- Highly efficient power with minimal energy losses
- Portable – lower weight at the point of use
- Ergonomic
- Convenient
- Tools can be used in almost any weather conditions
- Tools can be used underwater
- Lower maintenance time and cost.
- High motor torque consistently throughout the full range of the tools RPM

Discover the DITEQ Difference!

Hydraulics has an Advantage over Pneumatics

Much Quieter. Compressed Air is very noisy, both sides (compressing the Air and the Exhaust Air Release).

Less Maintenance. Hydraulic Circulates oil through the tool whereby pneumatic systems need filters, water separators, and oilers in the air stream. All Maintenance items.

Hydraulic tools have a MUCH higher Power-to-Weight ratio. Hydraulic Tools have significantly higher performance.

The Hydraulic Powerpacks are much more portable and require significantly less fuel consumption.



Pictured: A hydraulic PowerPack on top of an Air Compressor, both sized to operate the same rated Breaker.

Hydraulics has an Advantage over Electric Motors and Hi-Cycle systems

- Hydraulic Tools can be operated in Wet locations without the added fear additional Electric Shock Hazards.
- The Weight of the Hydraulic tool is lighter than Electric or Hi-Cycle tools. Higher Power-to-weight ratio.
- Portable Powerpacks can minimize long electric cord power losses
- Handheld core drills have a pressure relief instead of a clutch that is on electric drills. The pressure relief will minimize tool kick and twist if a bit gets stuck. The Hydraulic drills can be operated safely with more power at the bit thus can be used to turn larger diameter bits.
- Hydraulic tools have much lower maintenance cost.
- Hydraulic tools can be more powerful to reduce labor cost by getting the job done quicker.



Hydraulics have an Advantage over Gasoline Engine Hand Tools

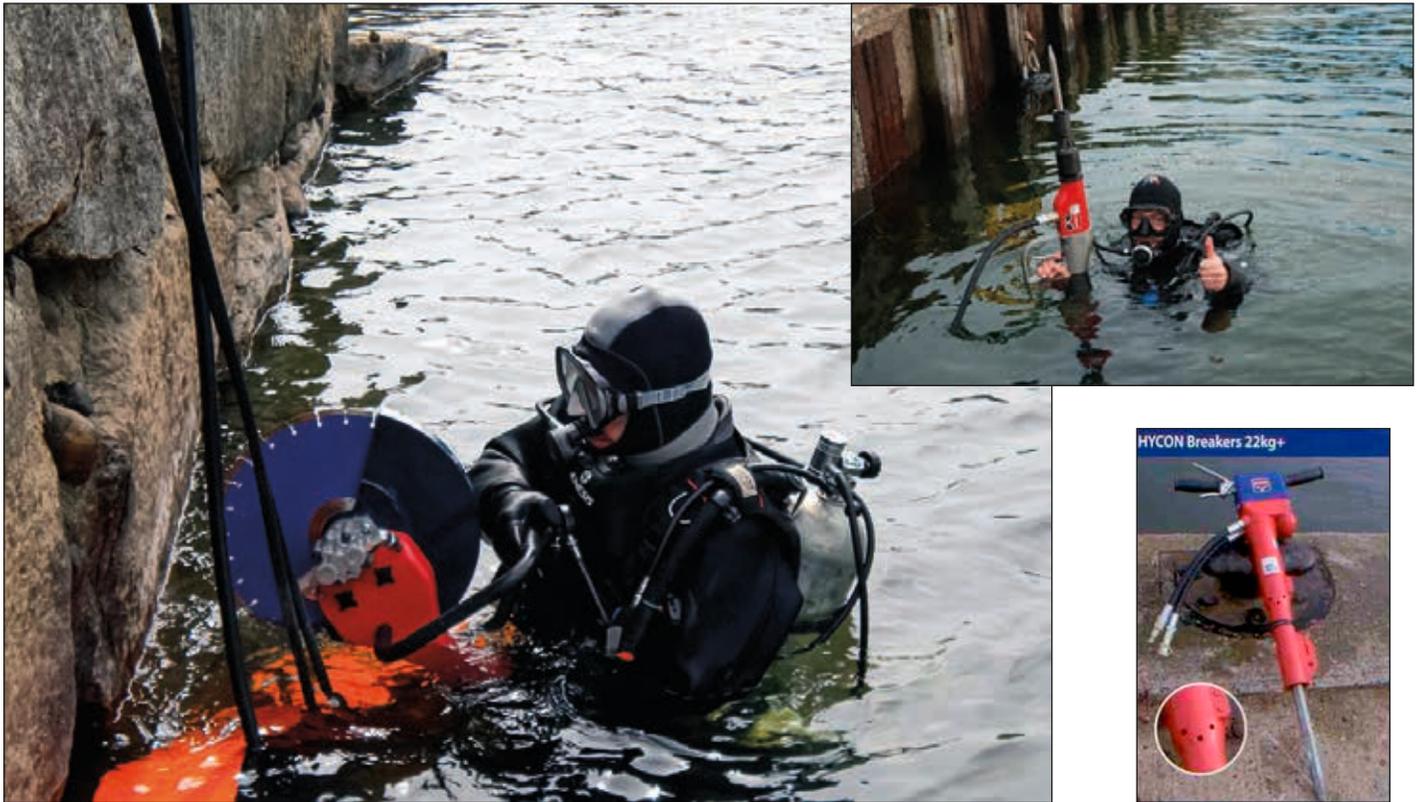
- The hydraulic hand tools are lighter than a gasoline drive tool because the engine is not in the operators hand.
- The hydraulic tools have much lower maintenance cost .The hydraulic tools can be used in a tighter space with less fear of CO poisoning to the operator
- Hydraulic tools have a much higher power-to-weight ratio for a significant improvement in performance.
- The Hydraulic tools can be operated on many skid steer or loader auxiliary circuits.

A Complete SYSTEM

One PowerPack to Run Multiple Machines

One Operator – One Powersource Able To Perform The Work With Many Tooling Options.





Most Hydraulic Hand Tools can be used underwater. Caution must be exercised on the Hydraulic Breakers to drill some relief holes prior to using underwater. Contact DITEQ Customer Service for specific details.



Hydraulic Powerpacks

The Hycon Hydraulic Powerpacks are Air Cooled, very portable, fabricated with a very durable sturdy welded steel frame, easy to operate, easy and open access for service and maintenance, Simple design for low maintenance and repair cost, and very affordable.

Not all Powerpacks are created equal. HYCON built the Envy of the Industry in the HPP series Powerpacks.



Rigid Steel Frame

Compact

Balanced



Full filtration of hydraulic oil when running. Re-filling is through return filter assuring 100% clean oil in system.

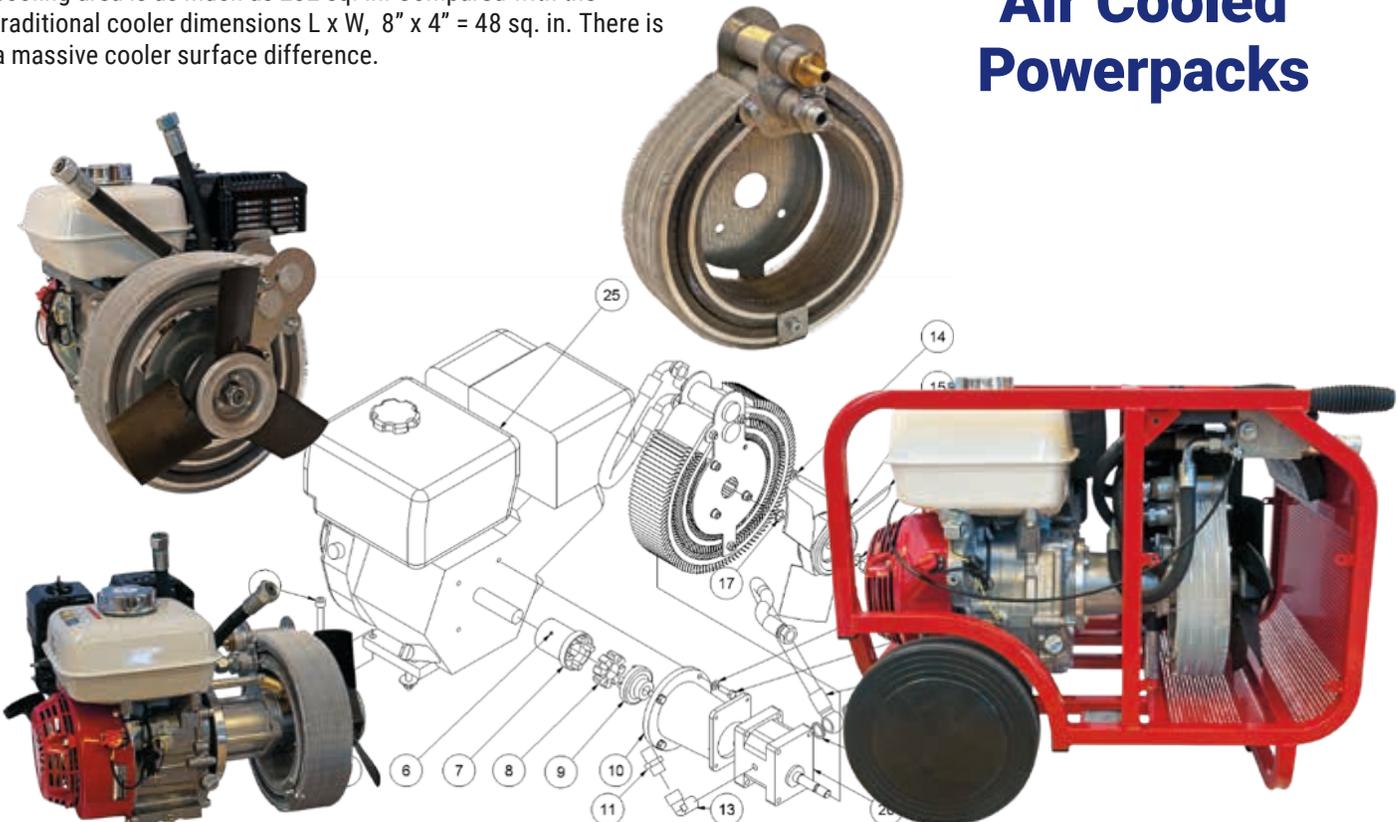
Lightweight

Easy to Use

Simple Controls

**Coollest Running
Air Cooled
Powerpacks**

The HYCON Powerpacks have a special RING COOLER design on the HPP06 - HPP23 which represents state of the art in air-cooled powerpacks. The traditional coolers have a radiator design with the air drawn through the flat face of the radiator surface and is prone to clogging. HYCON's circular design allows continuous flow over the large circular fin design. The length of the cooler element 5ft. with a width of 4". The entire cooling area is as much as 232 sq. in. Compared with the traditional cooler dimensions L x W, 8" x 4" = 48 sq. in. There is a massive cooler surface difference.



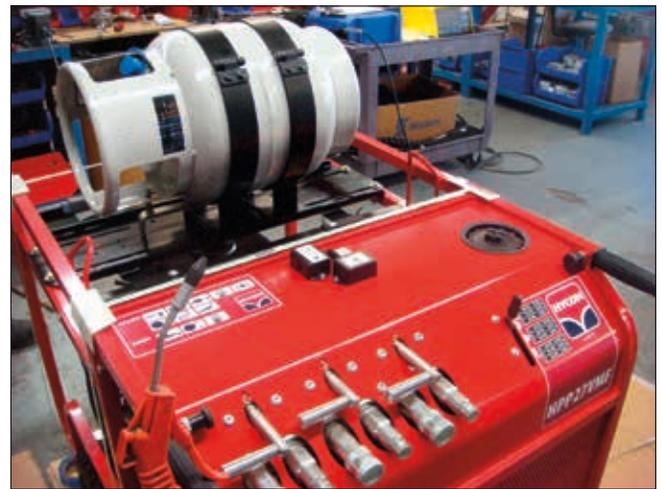
16 GPM Powerpacks With Dual Pumps for True Dual 8 GPM



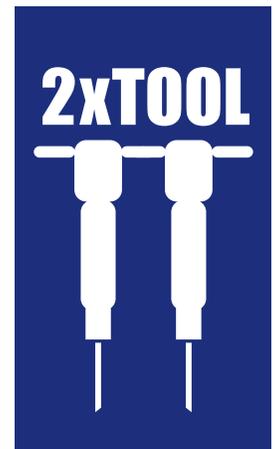
The HPP27VMF has Dual Pumps that combine for a full 16GPM flow or can be used on two different 8GPM tools. Some use a flow divided hydraulic circuit to approximate a dual even split of oil, whereby the HPP27 has two piggybacked individual pumps.

The HPP27VMF has a 27HP / 900cc Big Block Briggs&Stratton VANGUARD engine directly coupled to the pumps for a low maintenance simple system.

The HPP27VMF has pneumatic center balance wheels with pull out handles for easy maneuverability around the jobsite.



Part Number	P00023	P00031
Model	HPP27VMF	HPP27VMF
Flow (GPM)	2x5, 2x8, 1x10, 1x12, 1x16	2x5, 2x8, 1x10, 1x12, 1x16
PSI (MAX/NOM)	2300/1750	2300/1750
Engine	B&S Vanguard 900cc Twin-Cyl 27HP	B&S Vanguard
Starter	Electric Starter	Electric Starter
Low Engine Oil Shutdown	Yes	Yes
Fuel Capacity	12 GAL (CARB/EPA cert)	20 Lb Propane Cylinder
Dim. LxWxH (inches)	42-1/8 x 29-1/8 x 33-1/2	42-1/8 x 29-1/8 x 33-1/2
Weight (Lbs)	375	370 (less cylinder)



12 GPM Powerpacks



Part Number	P00022	P00027
Model	HPP23V-Flex	HPP18E-Flex
Flow (GPM)	1x5, 1x8, 1x10, 1x12	1x5, 1x8, 1x10, 1x12
PSI (MAX/NOM)	2300/1750	2300/1750
Engine/Motor	B&S Vanguard Twin-Cyl 23HP	480V 3ph 25A electric motor with a VFD and integrated soft start. Suggest using 31kW+ Genset.
Starter	Recoil & Electric Starter	
Low Engine Oil Shutdown	Yes	
Fuel Capacity	2.3 GAL (CARB/EPA cert)	
Dim. LxWxH (inches)	31-3/4 x 24-1/2 x 27-1/2	31-3/4 x 24-1/2 x 27-1/2
Weight (Lbs)	235	



The **HPP23V-Flex** uses the engine throttle to control the flow as a means to greatly reduce the heat generated by most common powerpacks that use a orifice restriction to decrease the flow (the restriction requires the pack to run at full power at that reduced flow rate and the extra energy is mostly heating the hydraulic fluid, whereby the HYCON state of the art powerpacks use the engine throttle which saves fuel and creates less heat in the hydraulic fluid).

The **HPP18E-Flex** has a Variable Frequency Drive (VFD) that controls the motor speed to change the flow GPM. Most common electric powerpacks on the market have only one speed on the motor and they restrict the flow to decrease the GPM which creates more heat in the hydraulic fluid.

10 GPM Powerpacks

5 or 8 GPM Powerpacks



4.8 GPM PowerPack



The **HPP06** is a 4.8GPM pack that is extremely simple (on/off) and can run most 5GPM tools. It is extremely portable (very compact and lightweight)

The **HPP09-Flex** has a POR (Power On Request) feature to save fuel during a break in use of the tool. When the system senses no power demand from the tool, it will automatically go to engine idle. When the tool is triggered, it will throttle back to full power.

The **HPP13-Flex** has 5GPM or 8GPM selection. Instead of creating heat by running the engine at full power and using an orifice to change the flow, the HPP13 (and all the HYCON Powerpacks with flow control) uses the throttle to change the flow from 5GPM to 8GPM. This creates much less heat and uses less fuel when set for use at 5GPM.

The **HPP18** comes in Flex (5/8/10 GPM) or Multiflex (2x5/8/10GPM).

Part Number	P00024	P00021	P00020	P00029	P00028
Model	HPP18VMF	HPP18V-Flex	HPP13-Flex	HPP09	HPP06
Flow (GPM)	2x5, 1x8, 1x10	1x5, 1x8, 1x10	1x5 or 1x8	5 (POR-system)	4.8
PSI (MAX/NOM)	2300/1750	2300/1750	2200/1750	2200/1750	1600/1450
Engine	B&S Vanguard Twin-Cyl 18HP	B&S Vanguard Twin-Cyl 18HP	Honda GX390 13HP	Honda GX270 9HP	Honda GX200 6.5HP
Starter	Recoil & Electric Starter	Recoil & Electric Starter	Recoil Only	Recoil Only	Recoil Only
Low Engine Oil Shutdown	Yes	Yes	Yes	Yes	Yes
Fuel Capacity	2.3 GAL (CARB/EPA cert)	2.3 GAL (CARB/EPA cert)	1.7 GAL (Integral Engine Tank)	1.6 GAL (Integral Engine Tank)	0.82 GAL (Integral Engine Tank)
Dim. LxWxH (inches)	31-3/4 x 24-1/2 x 27-1/2	31-3/4 x 24-1/2 x 27-1/2	28 x 23-7/16 x 26-7/16	26-7/8 x 22-7/8 x 23-7/16	24-7/8 x 21 x 20-1/8
Weight (Lbs)	247	232	178	150	120

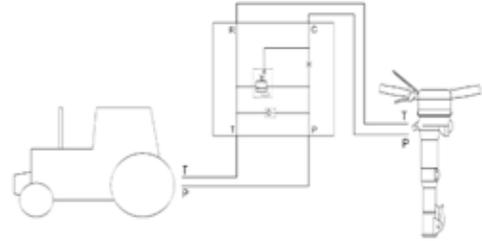
P/N	Description
140746	HYD FLOW DIVIDER



P/N	Description
141152*	NOZZLE 5GPM (20LPM) FLOW
141153*	NOZZLE 8GPM (30LPM) FLOW
141154*	NOZZLE 10GPM (40LPM) FLOW
141203	NOZZLE 12GPM (46LPM) FLOW

Flow Divider Input requirements: MAX Pressure input 3500PSI (240bar), MAX Flow 21GPM.

* Included with the Flow Divider



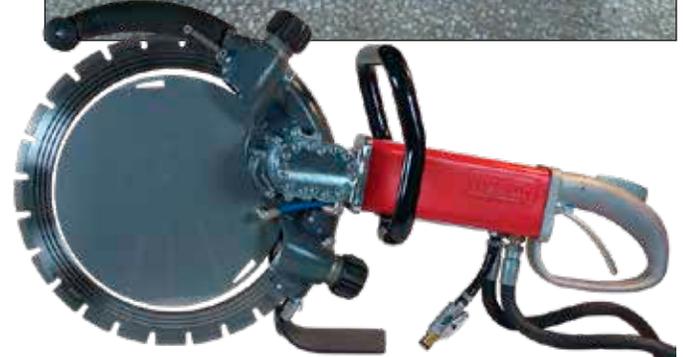
P/N	Description
152382	HBU630 BOOSTER

HBU630 Pressure Booster converts HVLP (High Volume flow, Low Pressure) standard Powerpacks into LVHP (Low Volume flow, High Pressure) for use on Splitters, Crusher Jaws, Cutters, Bursters, etc... The Input is 5GPM at 1300PSI (90bar) and the output is 0.3-1.32GPM (1.2-5LPM) at 9137PSI (630bar). The intensification factor of 1:10



Hycon Hydraulic Ring Saw

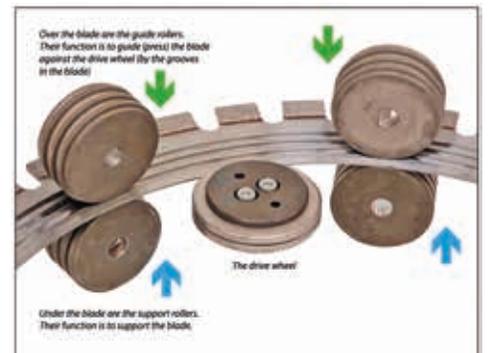
Part Number	H00018
Model	HRS400
GPM required	5-8
Working Pressure MAX PSI	2300
Return Pressure MAX PSI	580
Length with Blade (inch)	33-7/16
Weight (Lbs)	24
Power (HP)	8.1
Arbor	HHRS-Ring
Motor RPM	4100 @8GPM
Blade RPM	1765-2340
Blade Diameter (inch)	16
Cutting Depth (inch)	11-3/4
Vibration Level	<2.5m/sec ²
Water Supply	Minimum of 1GPM at 30PSI



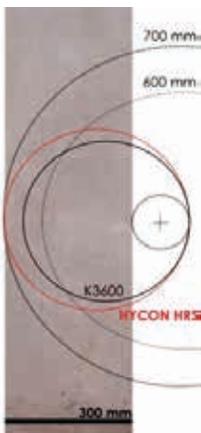
Spec HHRS-Ring	C-50AX BRN (Notched)	C-50AXBR (Standard)
16" x .160" x 10mm	D10178	D10172
16" x .235" x 10mm	D10179	D10173

140689 DRIVE WHEEL is included with each Blade

Spec HHRS-Ring	C-50AXS	C-50AX	Vacuum Brazed
16" x .160" x 10mm	D10163	D10159	D10182



	P/N
Guide Roller	140699
Support Roller	140695



Heat INSULATORS
Keep Handle Cooler



Safety Trigger Lock



Integral Pressure Relief Valve

Hydraulic Handsaws

p/n	H00025	H00026	H00028
Model	HCS14	HCS16	HCS20
GPM required	5-8	5-10	8-12
Working Pressure MAX PSI	2500	2500	2500
Return Pressure MAX PSI	580	580	580
Length with Blade (inch)	35	36	38
Weight (Lbs)	16	17	20
Power (HP)	7.0	10.3	11.6
Arbor	1"	1"	1"
Blade RPM	2400-3600	1800-3600	1500-2300
Blade Diameter (inch) Nom	14"	16"	20" (20-5/8 actual)
Cutting Depth (inch)	5-3/8	6-3/8	8-3/8
Vibration Level	<2.5m/sec ²	<2.5m/sec ²	<2.5m/sec ²





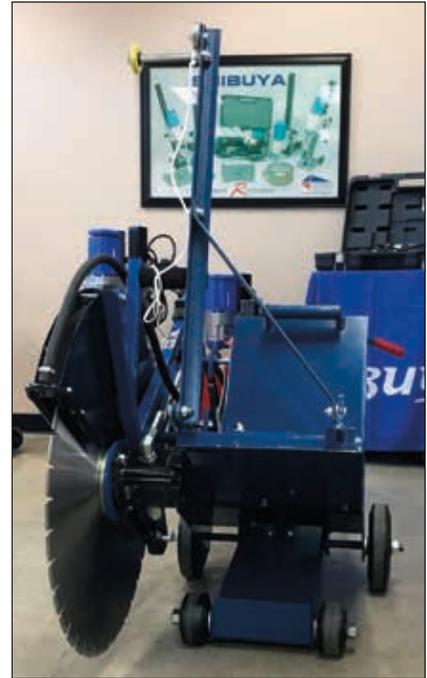
P/N	Description
141170	SAW CART – HYCON HCS 14"/16"



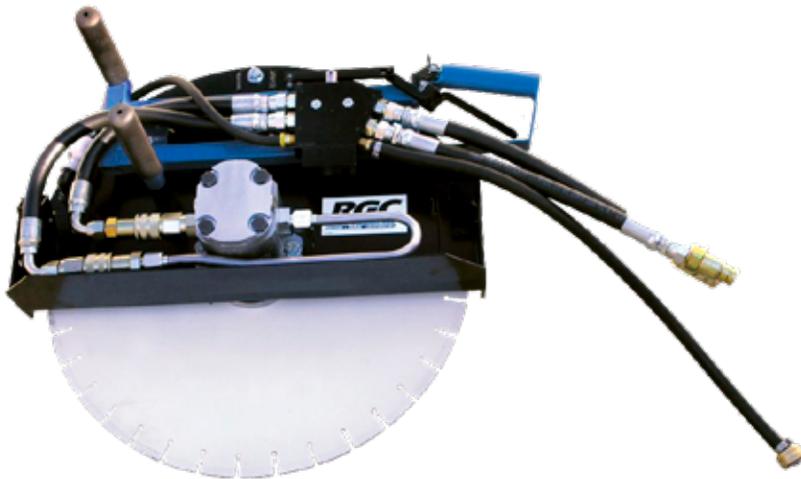
HCS Brute Blades	HCS14 (14")	HCS16 (16")	HCS20 (20-5/8")
C-50AXBRN x.125"Thick x1"Arbor	D11201	D11202	D11203
C-50AXBR2N x.125"Thick x 1"Arbor	D11239	D11231	D11233
C-50AXBR2N x.235" X 1"-FLUSH		D11242	D11247



RGC
REIMANN & GEORGER CORP.
 HOISTING • MARINE • CONSTRUCTION



P/N	Description
140842	HYDRA CART WITH BALLAST BOX for RGC Hydra saw S24 (also S14/16/20, not the FS20)



P/N	H00015
Model	Hydra Saw S24
Blade Capacity	24
Cutting Depth	9-1/2"
RPM	1450 @8GPM
Weight	55 Lbs
GPM	5-8
Pressure	2000-2500PSI

P/N	H00016	H00017	H00020
Model	Flush cut Hand Saw FS20	Combo Kit both Handsaw and upright curb saw	Upright curb saw
Blade Capacity	20"	20"	20"
Cutting Depth	8"	8"	8"
RPM	1830 @8GPM	1830 @8GPM	1830 @8GPM
Weight	57 Lbs	98 Lbs	83 Lbs
GPM	5-8	5-8	5-8
PSI	2000-2500	2000-2500	2000-2500



Notes

Hydraulic Chainsaws



Introducing the DITEQ MITO 15" Flush Cut Hydraulic Chain Saw. This concrete hydraulic chainsaw is a prime example of innovative, ergonomic, powerful, rugged, lightweight design.

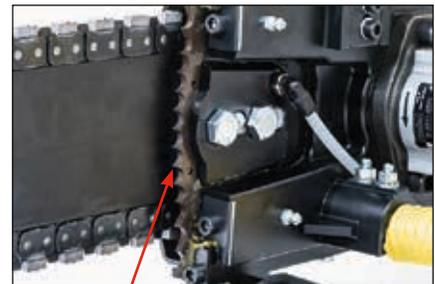
Designed to make the operator's life easier, it features a Patented Heavy Duty Quick Tensioning System – QT. With a twist of a knob, the QT system keeps the chain in proper tension to increase the life of the chain, bar, and sprocket.

The lighter weight makes it easier to work in tight spaces, on ladders, platforms, and underwater. A front "Tiger Grip" provides guide and leverage in the cut, reducing operator fatigue.

The DITEQ MITO 15" uses the same bar and chain as popular models like the 880/890 and the Stealth. The bar mounting system uses a machined block to increase strength and life.

MITO means "LEGENDARY"

p/n	H10030
Model	MITO QTH12-FLUSH CUT
Motor	12GPM / 2250 PSI
Weight of Powerhead	19 Lbs
Weight with Original 15" bar and Chain	23 Lbs
Bar options / Cutting Depth	Standard ICS880/890, Maxcut STEALTH, RGC C100, etc... Bars 10/15/20/25/30"
Chain Type	Concrete and Ductile Iron Chains



Tiger Grip for leverage



Custom packaging



141399

SPRKT .456P MITO QTH-FLUSH CUT

Stealth-12



Bar Length	10"	15"	20"	25"
p/n	H10013	H10014	H10015	H10016
Weight Powerhead	22.9 Lbs	22.9 Lbs	22.9 Lbs	22.9 Lbs
Dim Powerhead LxWxH	22 x 8 x 11"			
Power @2500PSI	17.5 HP	17.5 HP	17.5 HP	17.5 HP
Torque @2500PSI	170 Lb-In	170 Lb-In	170 Lb-In	170 Lb-In
Maximum Speed	6500RPM	6500RPM	6500RPM	6500RPM
GPM Required	12GPM	12GPM	12GPM	12GPM
Pressure MAX	2500PSI	2500PSI	2500PSI	2500PSI
Water MIN	2.5GPM/30PSI	2.5GPM/30PSI	2.5GPM/30PSI	2.5GPM/30PSI

140924	SPRKT .456P Stealth/ICS#890
140688	SPRKT (Maxcut) .456P Stealth/ICS#890
Sprockets are interchangeable	

Bars & Chains for Stealth-12 and MITO QTH12-Flush cut

The Heavy Duty Bar is standard with the MITO chainsaw. The Maxcut Bar is standard on the Stealth-12 Chainsaw. Both bars are interchangeable. Only the sprockets are different. Note the MAXCUT Bars are heavier but built with both sides water spray and extra Heavy Duty. The MITO QTH12 is a lighter saw, so it comes new with the lighter STANDARD bars and a Maxcut Chain.



	Heavy Duty Bar	Maxcut Bar	Concrete Chain (Maxcut)	Utility Chain (Black Edge Vacuum Brazed)	Utility Chain (Ductile- Metal Bonded Segments)
10"	140631	140732	140650	141394	141234
15"	140628	140733	140653	141395	141235
20"	140629	140734	140664	141396	141236
25"	140630	140735	140671	141397	141237
30"	141247		140727	141398	141241

Hycon Rail Saw System

152842 RAIL SYSTEM KIT

The **152842 Wall saw rail system kit** includes a winch and Horizontal Slide, qty-2 Rail Extensions (1 meter pieces of rail) for total rail length of 2 meters with the brackets to mount the rail and hand trigger extension. It does not include Saw and/or the mounting bracket (see part numbers below).



P/N	Description	Note
152857	MOUNTING BRACKET KIT HCS16	Mounting Bracket For Hcs16 Saw To Mount To The Wall Saw Rail System
H00026	HANSAW HCS16	
152859	MOUNTING BRACKET KIT HRS400	Bracket To Mount The New 2020 Hycon Ring Saws To The Wall Saw Rail System. For Older Model Saws Use 152860 Which Includes A New Handle For The Saw.
H00018	RING SAW HYD - 16"	
152860	MOUNTING BRACKET CONVERSION KIT HRS400	This Kit Consists Of 152859 Mounting Bracket For HRS400 And A New Front Handle For Older Model Ring Saws
152856	RAIL EXTENSION KIT	Includes Rail (1metre = 3ft), Wall Mount, And Bracket

151700	ANCHOR SMART DROP-IN 1/2"
151758	ANCHOR DROP-IN 1/2 CARBON STL KNRL



Shibuya Wall Saw System

SHIBUYA

WS0006 Hydraulic WALL SAW system



S-300H hydraulic wall saw with electric feed system consisting of S-070 hydraulic motor 550rpm for 30-36" blades with USA flush pattern, track rail 1200mm x qty-2 and 600mm x qty-1, SA0207 feed motor (same track, feedmotor and control box as SS-300R), AP-3300 control box, plunge cutting blade guard 30" (for larger blade guard use 152128), and joint plate & screws



150406	TRACK COMPLETE WALL SAW - 1200mm
150405	TRACK COMPLETE WALL SAW - 600mm
150423	JOINT PLATE TRACK - SS300R
150425	HEX SOCKET SCREW - M8x25
150424	HEX SOCKET SCREW - M6x30

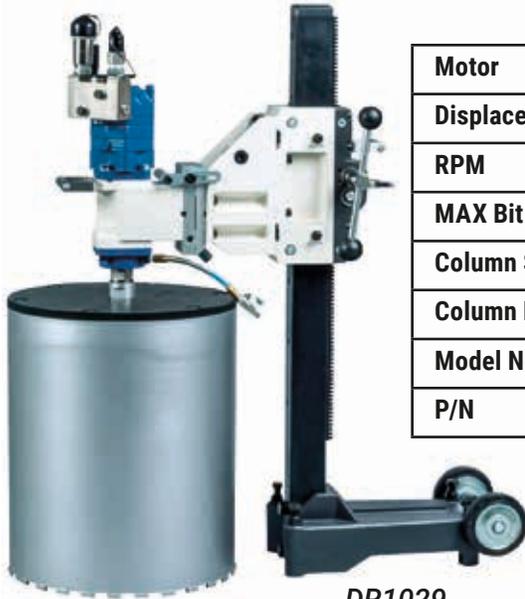
152128	BLADE GUARD 42INCH FOR SHIBUYA HYD WALL SAW
152001	GUARD 30" SS300R FLUSH CUT
150736	PLUNGE BLADE GUARD 30" - SS300R
152473	FLANGE ASSY TRUE FLUSH CUT PENTRUDE SS300R



D16873	C-51AXBRHN 30" X .187" X 1-3/8"-FLUSH
D16874	C-51AXBRHN 30" X .235" X 1-3/8"-FLUSH
D16877	C-51AXBRHN 36" X .187" X 1-3/8"-FLUSH
D16878	C-51AXBRHN 36" X .235" X 1-3/8"-FLUSH
D16879	C-51AXBRHN 42" X .187" X 1-3/8"-FLUSH
D16880	C-51AXBRHN 42" X .235" X 1-3/8"-FLUSH
D16330	C-51AXBRH2N 42" X .187" X 1-3/8"-FLUSH
D16331	C-51AXBRH2N 42" X .235" X 1-3/8"-FLUSH

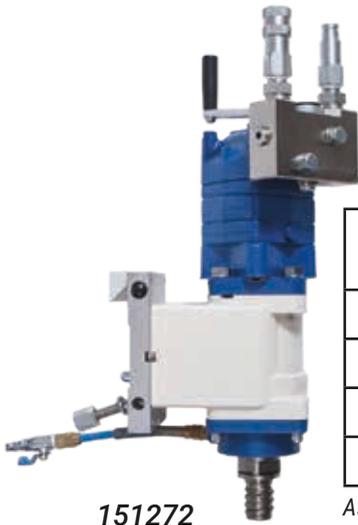
Shibuya Hydraulic Core Drills

SHIBUYA



DR1029

Motor	OMS160	OMS250	OMS400
Displacement	160cc	250cc	400cc
RPM	250 @10GPM	160 @10GPM	100 @10GPM
MAX Bit Size	16"	24"	32"
Column Size	2-3/8	2-7/8	2-7/8
Column Length	43"	43"	43"
Model No.	TS-440H	TS-660H	TS-680H
P/N	DR1027	DR1028	DR1029



151272

Motor	Danfoss OMS160	Danfoss OMS250	Danfoss OMS400
Displacement	160cc	250cc	400cc
RPM	250 @10GPM	160 @10GPM	100 @10GPM
MAX Bit Size	16"	24"	32"
P/N	151272	151273	151274

Assemblies include motor spindle, flow control, adapter plate and disconnect.



150327

151270	SPINDLE ASSY - HYDRAULIC
150327	PRO FAS-NUT COMPLETE ASSEMBLY
151769	SLIDER II
151276	ADAPTER - A ROD FM X 1-1/4"-7 M
150039	SPACER QUICK RELEASE
151269	FLOW CONTROL- HYDRAULIC



151769

Hycon Hydraulic Core Drills



P/N	DR2026	DR2027
Model	HHCD104	HHCD214
RPM (Max)	1500RPM @5GPM 2400RPM @8GPM	600RPM @5GPM 950RPM @8GPM
Bit Capacity	1" - 4"	2" - 14"
Bit Thread	1 1/4 - 7 UNC	1 1/4 - 7 UNC
Speed	Variable	Variable
Weight	17 Lbs	17 Lbs

Requires 5GPM @1500-2500PSI.

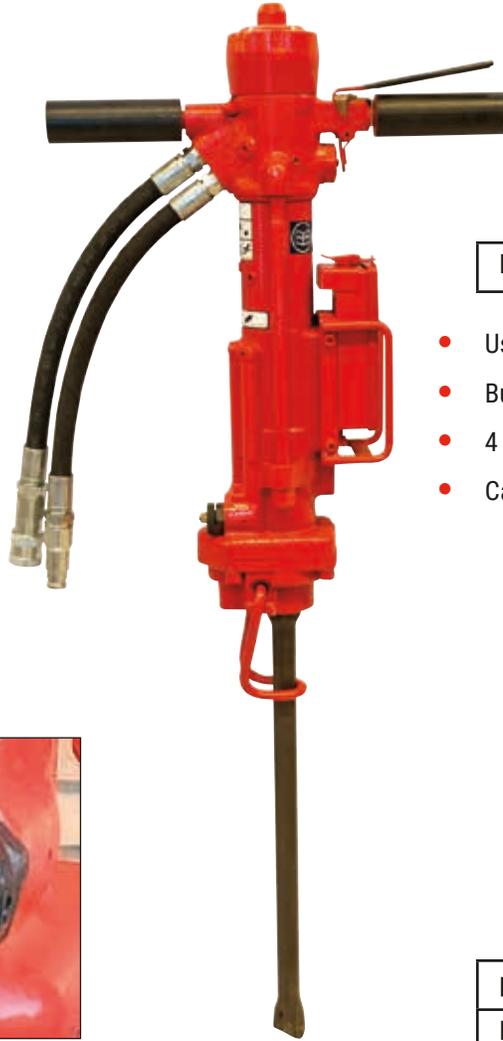


SHIBUYA RIG MOUNTABLE

150342	ADAPTER CLAMP-SQUEEZE MOUNT
152729	STAND COMP ANCHOR - HH1531
152730	STAND COMP ANGLE ANCHOR - HH1531



Hycon Rock Drills



H20013	ROCK DRILL HRD20
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- Uses standard integral drill steel
- Build in compressor
- 4 step rotation
- Can be converted for underwater use



Rotation Step	0	1	2	3
Blow Frequency	1500 bpm	1350 bpm	1100 bpm	900 bpm
Rotation CCW	0	200 RPM	300 RPM	400 RPM

p/n	H20013
Model	HRD20
Weight	44 Lbs
Length	24.6"
Oil Flow GPM	5-8 GPM
Blow Energy	37 Lb-Ft
Power Output	1.7 HP
Rotation Torque	15 Lb-Ft
Vibration Level (3-axis)	23.6 m/sec ²

7/8X4-1/4 Bit x

	7/8" Diameter	1" Diameter	1-1/8" Diameter	1-3/8" Diameter
9" Long	152275	152393		
15" Long		152394	152374	152531
26" Long	152276		152376	152377

Brunner & Lay

Hydraulic Breakers



- T-handle model equipped vibration-dampening system
- Accepts all standard Hex shanks
- Flow 5 or 8-10 gpm following HTMA standards



Model	HH15	HH20/ HH20RV	HH23	HH25	HH27	HH35
Rated Class	30 LB	40 LB	50 LB	50LB	70 LB	90 LB
Weight (Lbs)	38	48	52	56	60	77
Length	25.6"	26.6"	27.6"	29.3"	29.9"	30.8"
GPM	5	5	5 - 8	5 - 8	5 - 8	8 - 10
Working Pressure PSI	1450	1600	1750	1750	1885	1950
MAX Return Pressure PSI	220	220	220	220	220	220
Blow Frequency bpm	1830	1560	1380	1380	1260	1100-1440
Blow energy Ft-Lbs	30	44	63 / 70	63 / 70	70 / 80	100
Power Output HP	1.7	2.1	3.0	3.0	3.1	4.4
Vibration Level (3-axis) m/sec ²	6.6	6.8	8.0	9.4	10.7	10.7
7/8 x 3-1/4 HEX	H20002					
1 x 4 HEX		H20010	H20004			
1-1/8 x 6 HEX		H20011		H20005	H20009	H20016
1-1/4 x 6 HEX		H20003		H20006	H20007	H20012

Hydraulic Breaker Tooling

Brunner & Lay

BIT 7/8x3-1/4 x

	Moil Point	1"W	3"W
14" Long	151888		
18"		152102	152103
24"		152325	

152338	BIT 7/8X3-1/4 ASPHALT CUTTER
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BIT 1x4-1/4 x

	Moil Point	1"W	3"W
14" Long	151889	152327	
24"	152326	152328	151911

152339	BIT 1X4-1/4 ASPHALT CUTTER
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BIT 1-1/8x6 x

	Moil Point	1"W	3"W
14" Long	151890		152333
18"	152329		
24"	152330	152331	152330
60"		152332	

152340	BIT 1-1/8X6 ASPHALT CUTTER
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152800	BIT 1-1/8X6 KEEN KUT
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BIT 1-1/4x6 x

	Moil Point	1"W	3"W
14" Long	151891	152113	151887
18"	152334		
24"	152335	152336	152043
48"			151910
60"	152337		

152125	BIT 1-1/4X6 ASPHALT CUTTER
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151914	BIT 1-1/4X6 CONCRETE BUSTER
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152465	BIT 1-1/4X6 CLAY SPADE X 5-1/2"L
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151912	BIT PLUG/FEATHER 1-1/4X6 X 2"SHANK
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151913	BIT PLUG/FEATHER 2"FEATHER
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BREAKER TOOLING

152647	CLAY SPADE 4-1/2"
152648	GND ROD DRVR 5/8
152649	GND ROD DRVR 3/4
152646	BUSHING TOOL CARBIDE
152645	BUSHING TOOL STEEL

Hydraulic Breakers



- Low weight
- Compact design
- Highest power to weight when compared to any air, electric or hydraulic alternative.
- Smooth and maintenance free design

P/N	H20014
Model	HH10RV
Weight	22Lbs
GPM	5
Working Pressure	1450PSI
MAX Return Pressure	220PSI
Blow Frequency	2100 bpm
Blow Energy	16 Ft-Lb
Power Output	1 HP
Vibration (3-Axis)	9.6 m/sec ²
Shank	0.580

Brunner & Lay

BIT .580 HEX RND COLLAR

	Moil Point	1" W	2"W	2-1/2"W	3"W
9" Long	152072	152076	152078	152319	152321
12"	152322	152314	152318	152320	
18"		152077	152079		
24"	152323	152114			
36"		152315			
48"		152316			
60"		152317			



152255	MIST KIT FOR BREAKER 20LB
152256	MIST KIT FOR BREAKER 30 TO 70LB
152257	MIST KIT FOR BREAKER 90LB

To support compliance with OSHA 29 CFR 1926.1153, Respirable Crystalline Silica, Table-1 Specified Exposure Control Methods When Working With Materials Containing Crystalline Silica

HPD – Hydraulic Post Driver



P/N	H20008
Model	HPD60
Weight	64 Lbs (29kg)
GPM	8GPM (30LPM)
Working Pressure	1740PSI (120bar)
MAX Return Pressure	218PSI (15bar)
Blow Frequency	1380 bpm
Blow Energy	70 Ft-Lb (95J)
Power Output	2.9HP (2185W)
Vibration (3-Axis)	9.4 m/sec ²



152632	REMOTE VALVE KIT HPD60 POST DRIVER
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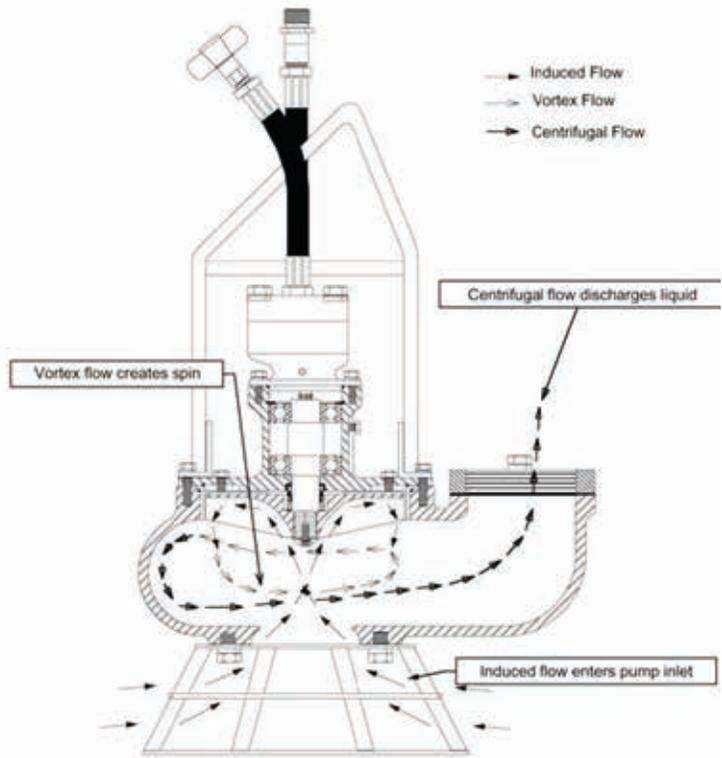
152529	HPD ROUND ADAPTER 2-3/8IN (60mm)
151872	HPD ROUND ADAPTER 3IN (80mm)
152688	HPD ROUND ADAPTER 4 1/8IN
152689	HPD ROUND ADAPTER 5IN
151871	HPD SQ ADAPTER 2 1/2IN (65mmx65mm)
152687	HPD SQ ADAPTER 4 1/8IN

Hydraulic Trash Pumps

The Vortex pumps are used especially for dirty water because of less wear on the impeller.

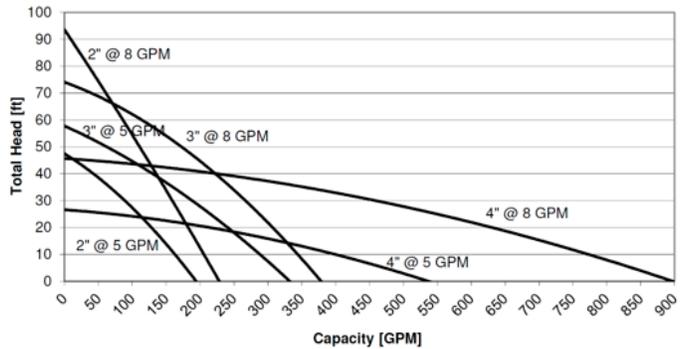
The Vortex pump impeller blades do not shovel the water. The impeller sets the water in a circular movement and by centrifugal force pumps the water out. It works like if you take a bucket full of water and sets the water in circular motion by a stick. The water will be pressed against the inside of the bucket and create a center of air shaped like a cone in the middle.

Thereby there is very little contact between the water and the impeller and wear is greatly reduced.



Uniflow Irrigation Systems

Typical Performance



P/N	110134	110132	110136
Model	HWP2	HWP3	HWP4
Weight	10Lbs	17Lbs	22Lbs
Discharge Size (inch)	2	3	4
GPM	5 - 8	5 - 8	5 - 8
Working Pressure PSI	1300-2000	1750-2000	1750-2175
MAX Return Pressure PSI	580	580	580
MAX Pressure	2500	2500	2500
MAX Pumping Capacity	202 GPM	352 GPM	892 GPM
MAX Lift Head	92 FT	72 FT	46 FT
MAX Solids Size (inch)	1-1/2"	2-1/2"	3"



110134	PUMP HYD 2" WITH DISCHARGE HOSE
110132	PUMP HYD 3" WITH DISCHARGE HOSE
110136	PUMP HYD 4" WITH DISCHARGE HOSE

110193	PUMP HYD 3" FINE SIEVE WITH DISCHARGE HOSE
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Fine Sieve Options to change the TRASH pump that is capable of pumping larger solids with the liquid into a DEWATERING pump that screens out the solids but still has the full performance of the best Hydraulic pumps available. The Fine Sieve mesh can be changed on the HYCON pump to switch it back and forth with the standard Sieve strainer that the pump comes with.



Accessories

HYCON Hydraulic Oil Requirements

Recommended viscosity	20-40 cSt
Permitted viscosity	15-1000 cSt
Viscosity index	Min. 100
Temperature area	-20° to +70° C

152240	OIL HYDRAULIC AW46 5GAL
152470	OIL HYDRAULIC AW68 5GAL

151859	HOSE HYD PAIR 1/2" X 50`
151867	HOSE HYD PAIR 1/2" X 25`
152029	HOSE HYD PAIR 3/4" X 200` LG
152030	HOSE HYD PAIR 3/4" X 100` LG
151945	FITTING HYD COUPLING FLUSHFACE BSP - FEMALE
151944	FITTING HYD COUPLING FLUSHFACE BSP - MALE



151867

EHTMA HYDRAULIC SYSTEM REQUIREMENTS

	CLASSIFICATION				
					
Flow Range	3.5-4.3 gpm (13.5-16.5 lpm)	4.7-5.8 gpm (18-22 lpm)	7.1-8.7 gpm (27-33 lpm)	9.5-11.6 gpm (36-44 lpm)	11.8-14.5 gpm (45-55 lpm)
Nominal Operating Pressure (at the power supply outlet)	1870 psi (129 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)
System relief valve setting (at the power supply outlet)	2495 psi (172 bar)	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)

151861	HANNAY HYDRAULIC REEL
152244	HANNAY MANUAL 1/2 x 35FT
152245	HANNAY MANUAL 1/2 x 50FT

HTMA HYDRAULIC SYSTEM REQUIREMENTS

	TOOL TYPE			
	TYPE I	TYPE II	TYPE RR	TYPE III
Flow Range	4-6 gpm (15-23 lpm)	7-9 gpm (26-34 lpm)	9-10.5 gpm (34-40 lpm)	11-13 gpm (42-49 lpm)
Nominal Operating Pressure (at the power supply outlet)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)
System relief valve setting (at the power supply outlet)	2100-2250 psi (145-155 bar)	2100-2250 psi (145-155 bar)	2200-2300 psi (152-159 bar)	2100-2250 psi (145-155 bar)
Maximum back pressure (at tool end of the return hose)	250 psi (17 bar)	250 psi (17 bar)	250 psi (17 bar)	250 psi (17 bar)

Keeping the Hydraulic Fluid from getting contaminated requires cleaning before service



P/N	Description
100316	CONCRETE DESTROYER 32OZ
100335	CONCRETE DESTROYER FOAMING 32OZ



P/N	Description
162257	PRESSURE WASHER 1400PSI
162216	STEAMER

162257



162216

Maintenance and Troubleshooting

P/N	Description
141345	WRENCH 13mm
152397	WRENCH 41mm HH10
141350	WRENCH HCS
140690	HHR5 TOOL KIT
140691	FEELER GAUGE



P/N	Description
152665	HYCON SPECIAL TOOL No. 4040062
152657	HYCON SPECIAL TOOL No. 9991663
152655	HYCON SPECIAL TOOL No. 9991664
152659	HYCON SPECIAL TOOL No. 9991718
152660	HYCON SPECIAL TOOL No. 9991719
152661	HYCON SPECIAL TOOL No. 9991774
152652	HYCON SPECIAL TOOL No. 9991775
152653	HYCON SPECIAL TOOL No. 9991776
152654	HYCON SPECIAL TOOL No. 9991777
152656	HYCON SPECIAL TOOL No. 9991778
141379	HYCON SPECIAL TOOL No. 9992079
152651	HYCON SPECIAL TOOL No. 9992245
152658	HYCON SPECIAL TOOL No. 9992335

P/N	Description
152557	N2 CHARGE ADAPTER HYCON KIT TO CHARGE LIFTON/AC
152556	N2 CHARGE ADAPTER LIFTON/AC KIT TO FILL HYCON
152555	N2 CHARGE KIT HYCON BREAKER COMPLETE



Troubleshooting Hydraulic systems requires a systems approach. Try to isolate where the problem is by logical deduction. These are some common Troubleshooting considerations. Refer to the Manuals for the machine (operators manual, parts manual, workshop manual, Engine Manual, etc... as a guide before performing any work. The inner workings of a Hydraulic tool requires a qualified mechanic to minimize future problems caused by Hydraulic Fluid contamination, etc...

HYCON Hydraulic Powerpacks

Problem	Possible Cause	Potential Solution
Powerpack does not give the right oil flow, or RPM is too high	Pressure relief valve may be clogged up or set incorrectly	Dismount pressure relief valve and clean with compressed air, or correct the setting of the valve
	Pump is worn	Replace Pump
The maximum pressure of the powerpack is too high	The pressure relief valve is out of adjustment	Adjust pressure relief valve to proper settings (refer to the op. manual or workshop manual)
Hydraulic oil is foaming, and/or oil is leaking at the air filter on the filter housing	Leaking shaft seal in pump	Replace Pump
	Oil level is too low	Add Oil
	Heavy vibrations because of the defective fan blade or defective rubber dampers	Replace defective parts
	Too much oil in Tank	Drain off oil from tank
Engine does not start		Refer to the Engine Manual or Authorized Engine Service Center

HYCON Hydraulic Hand Saws

Problem	Possible Cause	Potential Solution
Saw does not Start, there is <i>no</i> pressure in P-Hose	Trigger mechanism does not actuate trigger piston correctly.	Replace worn parts in handle (see Section 9 in the Workshop manual for HCS Pro Cut-off saws)
	Trigger Mechanism is stuck in Valve Block.	Dismount trigger from valve block, and clean or replace parts (see Section 8 in the Workshop manual for HCS Pro Cut-off saws)
Saw does not Start, there is pressure in P-Hose	Defective QR Coupling	Check QR Coupling
	Oil supply is made to T-Connection	Switch Pump (P) and Tank (T) lines
Safety Trigger does not work	Spring is to slack	Replace Spring (see section 9)
Saw works irregularly	Impurities in the Hydraulic Fluid	Replace hydraulic fluid and filter
	Hydraulic Oil Level is low	Add Hydraulic Fluid
Bad Performance	Internal Leak	Dismount valve housing and replace O-rings, see section 10
	Oil flow from the power source is not correct for the saw	Check Hydraulic Oil Flow
	Defective QR Coupler	Check QR Coupler
	Return pressure is too high	Check Power Source / Hoses
	Hose Diameter is to small	Check Hoses
	Trigger Piston not fully activated	Replace worn parts in handle (see section 9)

HYCON Hydraulic Breakers (HH15/20/23/25/27)

Problem	Possible Cause	Potential Solution
Breaker does not Start, there is no pressure in P-Hose	Trigger mechanism does not actuate trigger piston correctly.	Dismount top cover, and check and adjust functioning (See workshop manual)
Breaker does not Start, there is pressure in P-Hose	Striking piston stuck in Cylinder	Nose part is tightened too hard (see workshop manual)
		Seizing between cylinder and striking piston. Clean & Polish or replace components.
	Defective QR Coupler	Check QR Coupler
	Hydraulic Oil supply is made to T-Connection	Switch pump and Tank line
Chisel Falls out during operation	Latch and pin are worn or broken	Replace parts (see workshop manual)
	Chisel bushing is worn	Replace parts (see workshop manual)
	Wrong Chisel Size	Check Fit on Chisel
Breaker works irregularly	Impurities in Hydraulic Oil	Replace Hydraulic Oil and Filter
	Hydraulic Oil level in Power source is too low	Add Hydraulic Oil
	Wrong Chisel Size or worn chisel bushing	Check
Bad Performance	Internal Leak	Dismount valve housing and replace o-rings (see workshop manual)
	Oil flow from the power source is not correct for the breaker	Check Oil Flow
	Accumulator Pressure too low	Charge with Nitrogen aka N ₂ (see Workshop Manual)
	Defective Diaphragm	Replace Diaphragm
	Defective QR Coupler	Check QR Coupler
	Return Pressure is too high	Check Power Source / Hoses
	Hose Diameter is to small	Check Hoses

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DITEQ Corp

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