



Specialist

Smart Hydraulic Power Units
Up to 5 HP and 2500 psi

Smarter Hydraulic Power

The Specialist puts reliable and efficient hydraulic power at your fingertips without all the bells and whistles.

EFFICIENT

Traditional hydraulic systems can be wasteful and costly to run. Pumps run at a fixed speed with excess flow and pressure dumped to tank. Motors are oversized and pressure control is accomplished with maintenance intense mechanical regulation.

HPyou is changing the game.

The Specialist Hydraulic Power Unit (HPU) features speed controlled pumps, running only when you need power, and only making as much power as you need.

Under periods of light load the pump spins quickly for fast travel. As system pressure rises, the pump speed is reduced for efficient operation and tight pressure control. When the process is idle, the pump turns off, eliminating standby waste.

SIMPLE

HPyou designed the Specialist as a retrofit ready workhorse. Not all applications need complexity, sometimes they just need power.

With this in mind, HPyou equipped the Specialist with a limited set of features to get you going quickly. Preset the operating pressure or pump speed in the control, and every time you send a discrete signal to open a valve, the Specialist responds with the pre-programmed settings.

If you have a more dynamic process, send an analog signal to the specialist, along with a discrete to select pressure or speed, and the Specialist responds.

MAINTAINANCE FRIENDLY

HPyou knows that downtime is lost revenue, and special order parts can make maintenance a nightmare.

Every effort was made to provide the Specialist with reliable, off-the-shelf parts.

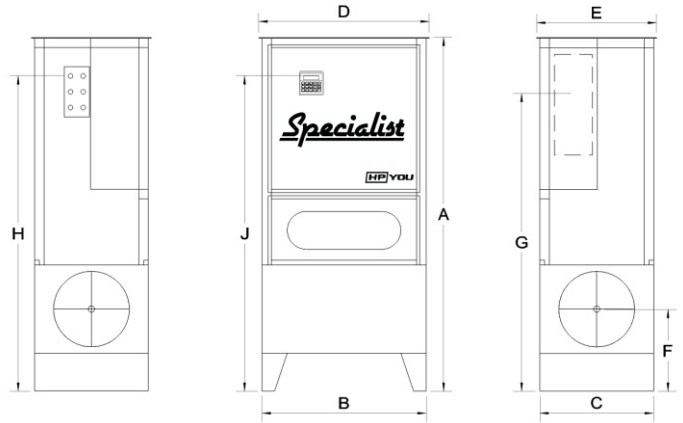
The Specialist is equipped with long lasting, off the shelf gear pumps, industry available VFDs, and standard JIC hydraulic fittings and parts.

A large JIC resevoir with level indicator, and large cleanouts make routine maintenance a breeze.

Hydraulics do hard work. Your maintenance department shouldn't have to.

SPECIFICATIONS AT A GLANCE

S	-XXX	-XXXX	-X	-X
Specialist	Horsepower	Design Pressure	Voltage	Center Configuration
	010: 1 HP	0500: 500 PSI Max	1: 120/1/60	0: Open Center
	015: 1.5 HP	1000: 1000 PSI Max	2: 240/1/60	1: Closed Center
	020: 2.0 HP	1500: 1500 PSI Max	3: 208-240/3/60	
	030: 3.0 HP	2500: 2500 PSI Max	4: 460/3/60	
	050: 5.0 HP			



Max Pressure = 1000 psig

Specifications		S-010-1000-XX	S-015-1000-XX	S-020-1000-XX	S-030-1000-XX	S-050-1000-XX
Motor Horsepower	HP	1.0	1.5	2.0	3.0	5.0
Weight	LBS	Consult Factory				
Max Operating Pressure	PSI	1000				
Factory Relief Setting	PSI	1250				
Maximum Flow	GPM	1.85	2.71	3.43	NA	9.11
Maximum Flow at Design Pressure	GPM	1.29	1.90	2.40	NA	6.38
Reservoir Capacity	GAL	10	10	15	NA	30
Dimensions						
(A) Overall Height	IN	56.2	56.2	56.2	NA	56.2
(B) Base Width	IN	22.0	22.0	26.0	NA	36.0
(C) Base Depth	IN	18.0	18.0	18.0	NA	24.0
(D) Overall Width	IN	23.0	23.0	31.0	NA	37.0
(E) Overall Depth	IN	19.0	19.0	19.0	NA	25.0
(F) Height of Reservoir Cleanout	IN	13.0	13.0	13.0	NA	13.0
(G) Height of Appv'd Elec. Entry	IN	45.5	45.5	45.5	NA	51.5
(H) Height to Top Hydraulic Fitting	IN	50.0	50.0	50.0	NA	56.0
(J) Height of Operator Interface	IN	48.0	48.0	48.0	NA	56.0
Hydraulic Connection Size/Type	-	JIC-8	JIC-8	JIC-10	NA	JIC-12

Max Pressure = 1500 psig

Specifications		S-010-1500-XX	S-015-1500-XX	S-020-1500-XX	S-030-1500-XX	S-050-1500-XX
Motor Horsepower	HP	1.0	1.5	2.0	3.0	5.0
Weight	LBS	Consult Factory				
Max Operating Pressure	PSI	1500				
Factory Relief Setting	PSI	1750				
Maximum Flow	GPM	1.39	1.85	2.71	3.43	NA
Maximum Flow at Design Pressure	GPM	0.97	1.29	1.90	2.40	NA
Reservoir Capacity	GAL	10	10	10	15	NA
Dimensions						
(A) Overall Height	IN	56.2	56.2	56.2	56.2	NA
(B) Base Width	IN	22.0	22.0	22.0	26.0	NA
(C) Base Depth	IN	18.0	18.0	18.0	18.0	NA
(D) Overall Width	IN	23.0	23.0	23.0	31.0	NA
(E) Overall Depth	IN	19.0	19.0	19.0	19.0	NA
(F) Height of Reservoir Cleanout	IN	13.0	13.0	13.0	13.0	NA
(G) Height of Appv'd Elec. Entry	IN	45.5	45.5	45.5	45.5	NA
(H) Height to Top Hydraulic Fitting	IN	50.0	50.0	50.0	50.0	NA
(J) Height of Operator Interface	IN	48.0	48.0	48.0	48.0	NA
Hydraulic Connection Size/Type	-	JIC-8	JIC-8	JIC-8	JIC-10	NA

Max Pressure = 2500 psig

Specifications		S-010-2500-XX	S-015-2500-XX	S-020-2500-XX	S-030-2500-XX	S-050-2500-XX
Motor Horsepower	HP	1.0	1.5	2.0	3.0	5.0
Weight	LBS	Consult Factory				
Max Operating Pressure	PSI	2500				
Factory Relief Setting	PSI	2750				
Maximum Flow	GPM	0.93	1.39	NA	2.31	3.43
Maximum Flow at Design Pressure	GPM	0.65	0.97	NA	1.62	2.40
Reservoir Capacity	GAL	10	10	NA	10	15
Dimensions						
(A) Overall Height	IN	56.2	56.2	NA	56.2	56.2
(B) Base Width	IN	22.0	22.0	NA	22.0	26.0
(C) Base Depth	IN	18.0	18.0	NA	18.0	18.0
(D) Overall Width	IN	23.0	23.0	NA	23.0	31.0
(E) Overall Depth	IN	19.0	19.0	NA	19.0	19.0
(F) Height of Reservoir Cleanout	IN	13.0	13.0	NA	13.0	13.0
(G) Height of Appv'd Elec. Entry	IN	45.5	45.5	NA	45.5	45.5
(H) Height to Top Hydraulic Fitting	IN	50.0	50.0	NA	50.0	50.0
(J) Height of Operator Interface	IN	48.0	48.0	NA	48.0	48.0
Hydraulic Connection Size/Type	-	JIC-8	JIC-8	NA	JIC-8	JIC-10

Note: Specifications and dimensions are approximate and for reference purposes only. HPYou reserves the right to change specifications and/or dimensions without notice. Graphics contained in this brochure may not be representative of actual product.

FEATURES

- (2) Customizable Hydraulic Circuits
- Horsepower Limited Operation
- Integrated Oil Temp Interlock
- Integrated Oil Level Interlock
- Run Enable Switch
- Customer Interlock
- E-Stop
- Non-Fused Disconnect
- Dry Contact for Alarm
- Optional Manifold Decompression Valve
- (1) Analog In
- Remote Setpoint through Analog In for Speed or Pressure

SOME INDUSTRIES SERVED



Pharmaceutical Processing



Aerospace



Textiles



Automotive



Industrial Manufacturing



Composites



Duanesburg, NY

(518) 595-3324
sales@hp-you.com
www.hp-you.com