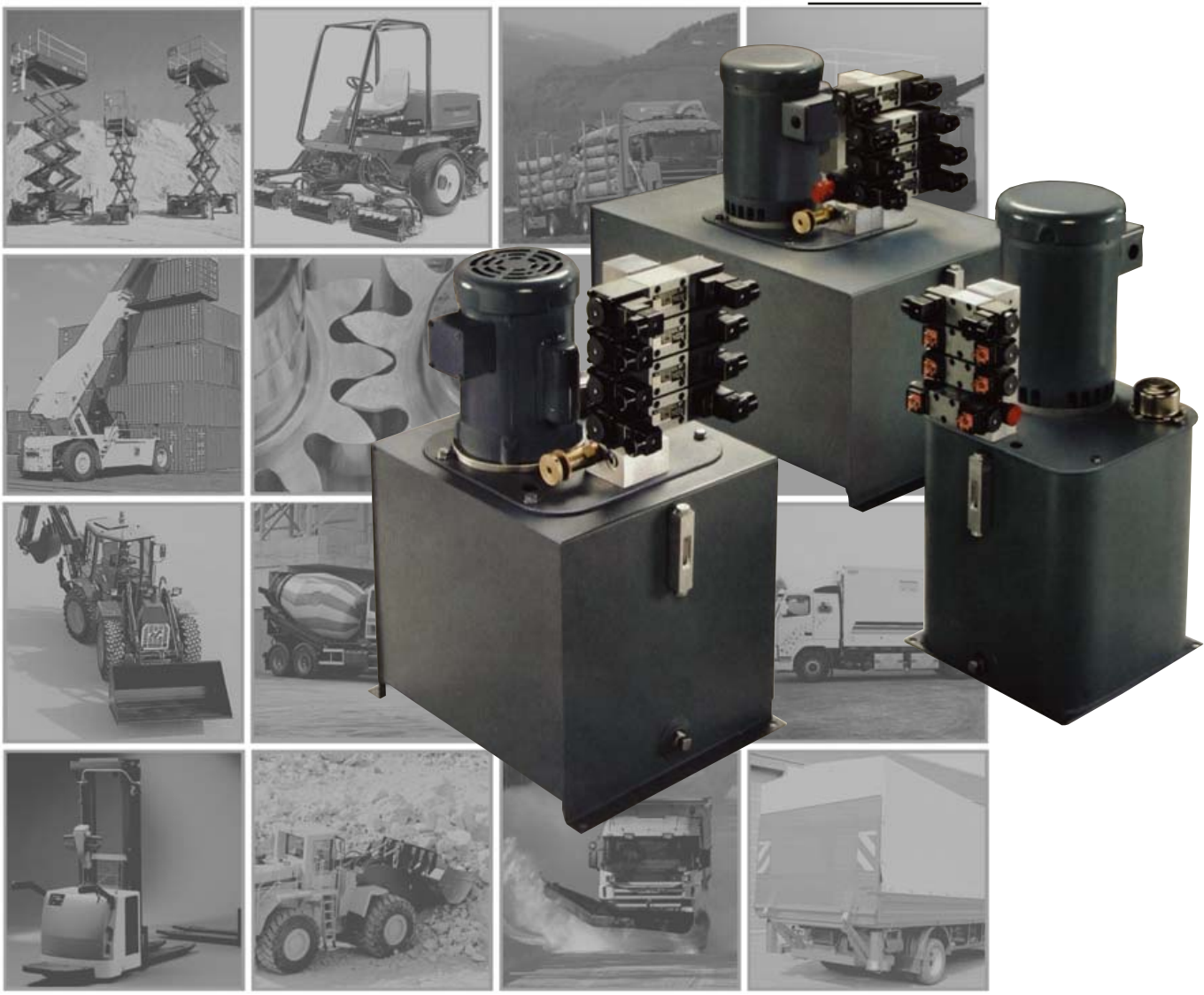




GC9500 SERIES A.C. HYDRAULIC POWER SYSTEMS



The GC9500 Series ... Versatility, Flexibility, Performance

A COMPLETE, SELF-CONTAINED, MODULAR AC POWER SYSTEM

GC9500 Series, AC hydraulic power units offer you the ultimate in design, versatility and ordering flexibility. You can order them completely assembled -- with pump, motor, reservoir, filters and all required valving -- from Haldex Hydraulics or our distributors. Or, if you already have certain components available, you can order an assembled, partial unit, or just the individual component kits which enable you to create or modify a unit to meet your exact requirements. Individual component kits are available from our distributor stock.

The heart of a GC9500 power unit is a high quality, cast iron pump. The Pressure Balanced pumps offer superior performance -- up to 90% overall efficiency -- in high temperature and high duty-cycle applications. They are especially suitable for systems utilizing low viscosity fluids. The Two Stage, High/Low pumps

provide high speed positioning, and then maximum working pressure to complete the work in applications such as clamping mechanisms, crimping machines, and metal forming machines.

All assembly is done on a versatile reservoir cover which is then secured to the reservoir to complete the system. This eliminates assembly and service within the reservoir, long hose runs, and multiple connections. The pump is attached to the underside of the reservoir cover for ease of access, and being inside the reservoir, it provides quiet operation. All GC9500 systems and components are manufactured to the most rigid specifications, providing the highest quality and reliability. The following quality and design features are standard on all GC9500 power systems.

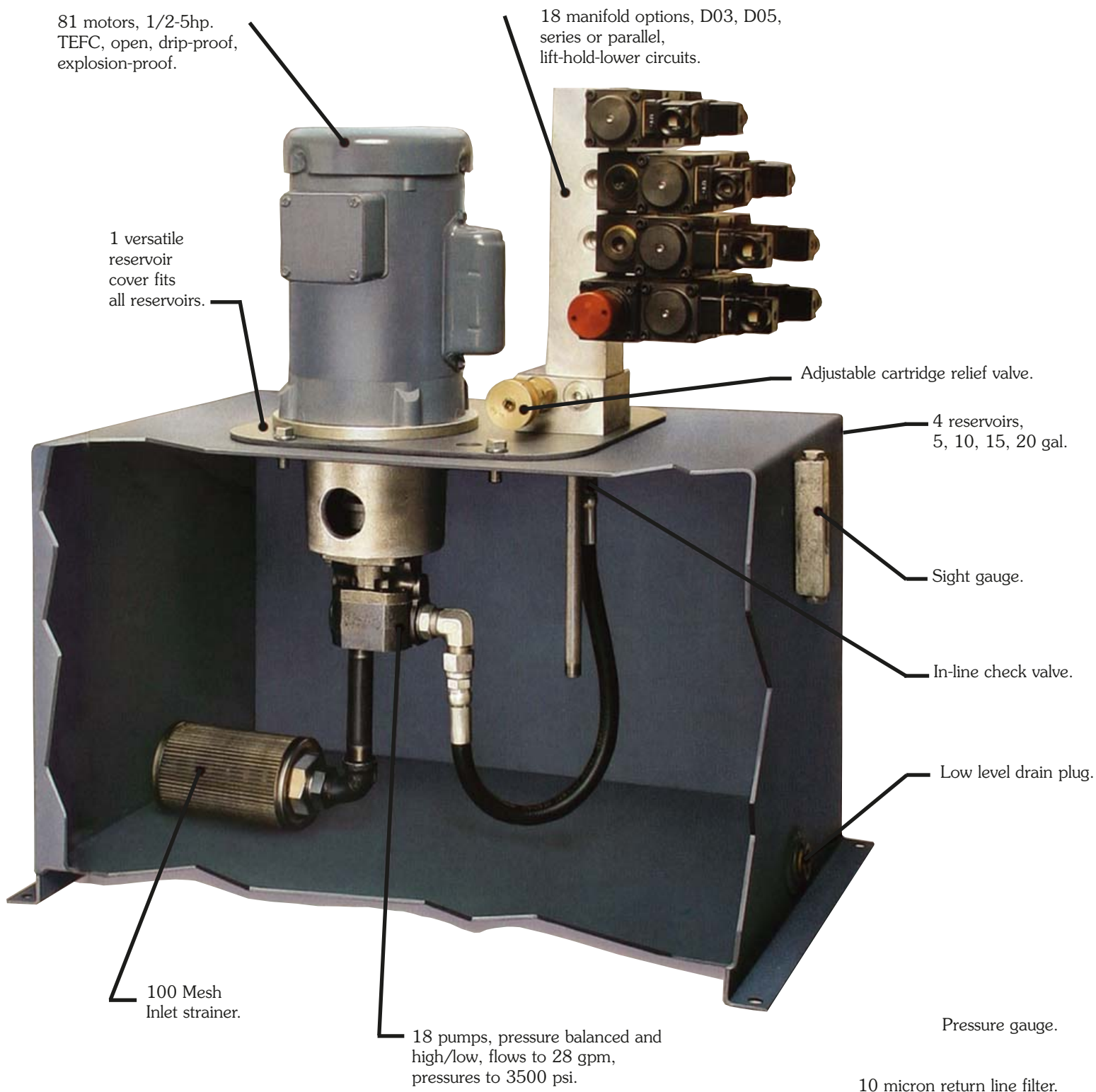
- Hardened and ground alloy-steel gears and shafts.
- High strength, fine grain, cast iron housings.
- DU[®] bearings.
- Filler screen.
- Sight gauge.
- Flexible coupling.

This catalog describes the GC9500 system in detail. It provides useful performance and necessary dimensional information along with an easy-to-follow ordering guide for complete systems or individual component kits.

If you have questions, or require technical assistance, please call us Toll Free: 800-572-7867.

GC9500 SERIES AC HYDRAULIC POWER SYSTEMS

SPECIFY THE POWER UNIT YOU NEED FROM A RANGE OF STANDARD OPTIONS



Pressure Balanced Pump Options

Pressure Balanced pumps are counterclockwise rotation and are constructed of heavy-duty cast iron with hardened steel gears and shafts. Volumetric efficiencies up to 99% are achieved through the use of floating pressure plates which maintain gear to sidewall clearances at elevated pressures. Internal pressure passages permit oil from the high pressure side to enter a precisely controlled seal area, loading the plate against the seal surface. This assures maintenance of a controlled contact force between the plates and gear sets. Tip clearance is also controlled precisely. Pressure Balanced pumps offered for the GC9500 power unit are shown below:



PRESSURE BALANCED PUMPS (Pump rotation is CCW)

Displacement	Flow 1800 RPM	Flow 3600 RPM	Max. Continuous Pressure	Max. Intermittent Pressure	Mounting Pattern	Shaft Dia.	Order Code	Pump Kit Part Number
.129 in.	1.0 GPM	2.0 GPM	3000 PSI	3500 PSI	4-Bolt	.56	A	1300427
.194 in.	1.5 GPM	3.0 GPM	3000 PSI	3500 PSI	4-Bolt	.56	B	1300428
.258 in.	2.0 GPM	4.0 GPM	3000 PSI	3500 PSI	4-Bolt	.56	C	1300429
.323 in.	2.5 GPM	5.0 GPM	3000 PSI	3500 PSI	4-Bolt	.56	D	1300430
.388 in.	3.0 GPM	6.0 GPM	3000 PSI	3300 PSI	4-Bolt	.56	E	1300431
.453 in.	3.5 GPM	7.0 GPM	2750 PSI	3025 PSI	4-Bolt	.56	F	1300432
.517 in.	4.0 GPM	8.0 GPM	2500 PSI	2750 PSI	4-Bolt	.56	G	1300433
.581 in.	4.5 GPM	9.0 GPM	2250 PSI	2475 PSI	4-Bolt	.56	H	1300527
.647 in.	5.0 GPM	10.0 GPM	2000 PSI	2200 PSI	4-Bolt	.56	I	1300528
.711 in.	5.5 GPM	11.0 GPM	1800 PSI	2000 PSI	4-Bolt	.56	J	1300529

When specifying a pressure balanced pump, be sure to also specify the correct inlet kit. The inlet kit contains the inlet filter and all plumbing to connect to the pump inlet, as well as an outlet fitting which connects the outlet hose. Select the outlet hose kit based on the outlet flow of the pump. Inlet port equals rear 1/2-14 NPTF; outlet port equals side 7/8-14 SAE.

To determine the performance of these Pressure Balanced pumps with different horsepower motors, refer to the performance chart on Page 6. Determine the flow required (GPM) then follow the chart to the right to determine the pressure capability at a given horsepower.

Two Stage, High/Low Pump Options

Two Stage, High/Low pumps are two-volume, external gear pumps designed for use at elevated pressures. They provide high speed positioning, and then maximum working pressure to complete the work. These rugged pumps feature heavy-duty, cast iron construction, long-life needle bearings and an integral unloading valve. Two Stage, High/Low pumps offered for the GC9500 power unit are shown below:



TWO STAGE HIGH/LOW PUMPS (Pump rotation is CW)

Combined Sections Nominal Flow 1800 RPM	Combined Sections Nominal Flow 3600 RPM	Low Pressure Gear Displacement	High Pressure Gear Displacement	Max. PSI	Unload Adj. Range (PSI)*	Mounting Pattern	Shaft Dia.	Order Code	Pump Kit Part Number
GC SERIES TWO STAGE HIGH/LOW PUMPS									
2.5	5	.258 in.	.065 in.	3000 PSI	400-900	4-Bolt	.50	K	1300483
3.5	7	.388 in.	.065 in.	3000 PSI	400-900	4-Bolt	.50	L	1300484
4.5	9	.388 in.	.194 in.	3000 PSI	400-900	4-Bolt	.50	M	1300485
5.5	11	.517 in.	.194 in.	3000 PSI	400-900	4-Bolt	.50	N	1300356
6.5	13	.647 in.	.194 in.	3000 PSI	400-900	4-Bolt	.50	O**	1300486
8.0	16	.776 in.	.259 in.	3000 PSI	400-900	4-Bolt	.50	P**	1300487
D SERIES TWO STAGE HIGH/LOW PUMPS†									
11.0	22	.930 in.	.465 in.	3000 PSI	400-700	2-Bolt A	.62	Q	1300488
14.0	28	1.395 in.	.465 in.	3000 PSI	400-700	2-Bolt A	.62	R	1300489

* All pumps factory preset at 650 PSI: For settings outside the range shown, consult factory.

** 1" Inlet tube

† For 1800 RPM operation only.

When specifying a Two Stage High/Low pump, be sure to also specify the correct inlet kit. The inlet kit contains the inlet filter and all plumbing to connect to the pump inlet, as well as an outlet fitting which connects the outlet hose. Select the outlet hose kit based on the outlet flow of the pump.

To determine the performance of these Two Stage, High/Low pumps with different horsepower motors, refer to the performance chart on Page 6. Determine the flow required (GPM), then follow the chart to the right to determine the pressure capability at a given horsepower.

A.C. Motor Options

The GC9500 can incorporate virtually any NEMA-C face motor up to 5 horsepower.† The motor assembles easily to a versatile pump/motor adapter which also accepts the pump mounting flange. The pump and motor shafts are coupled by a durable flexible coupling to ensure concentricity for long pump and motor life. Only two pump/motor adapters are necessary to handle the wide variety of pump/motor combinations offered in the GC9500 system. The correct coupling is determined by the shaft diameters of the

motor and pump being used. (All motors except those asterisked in “How to Order” section have .62” dia. shafts.) Haldex and their distributors offer a wide selection of A.C. motors which can be specified into a completely assembled GC-9500, or ordered as kits. Performance of our pumps with motor horsepower ranges are shown below.

† Frames sizes 56, 143T, 145T, 182, 184 and any other with an AJ dimension of 5.88 inches.

PUMP CONTINUOUS PRESSURE RATINGS AT SPECIFIC MOTOR HP's

Pump Type	GPM At 1800 RPM*	Horsepower**							Order Code	Pump Kit Part Number
		1/2	3/4	1	1-1/2	2	3	5		
Pressure Balanced Pumps	1.0	750	1130	1500	2260	3000	--	--	A	1300427
	1.5	500	750	1000	1500	2000	3000	--	B	1300428
	2.0	370	560	750	1130	1500	2260	--	C	1300429
	2.5	300	450	600	900	1200	1800	3000	D	1300430
	3.0	250	370	500	750	1000	1500	2500	E	1300431
	3.5	210	320	430	640	860	1290	2150	F	1300432
	4.0	180	280	370	560	750	1130	1880	G	1300433
	4.5	160	250	330	500	670	1000	1670	H	1300527
	5.0	150	220	300	450	600	900	1500	I	1300528
	5.5	130	200	270	410	540	820	1370	J	1300529
GC Series Two Stage	2.5	1500	3000	--	--	--	--	--	K	1300483
	3.5	1500	3000	--	--	--	--	--	L	1300484
	4.5	--	400	500	1500	2000	3000	--	M	1300485
	5.5	--	400	500	1500	2000	3000	--	N	1300356
	6.5	--	400	500	1500	2000	3000	--	O	1300486
	8.0	--	--	400	500	1500	2260	3000	P	1300487
D Series Two Stage	11.0	--	--	--	--	400	500	2080	Q	1300488
	14.0	--	--	--	--	400	500	2080	R	1300489

* To determine performance at 3600 RPM, multiply GPM by 2 and divide pressure by 2.

** For intermittent operation, the horsepower shown may be increased by a factor of 1.5 (eg. 1 GPM at 3000 PSI requires 2 hp for continuous operation). For intermittent operation, a 1.5 hp can be used (1.5 hp x 1.5 = 2.25 hp).

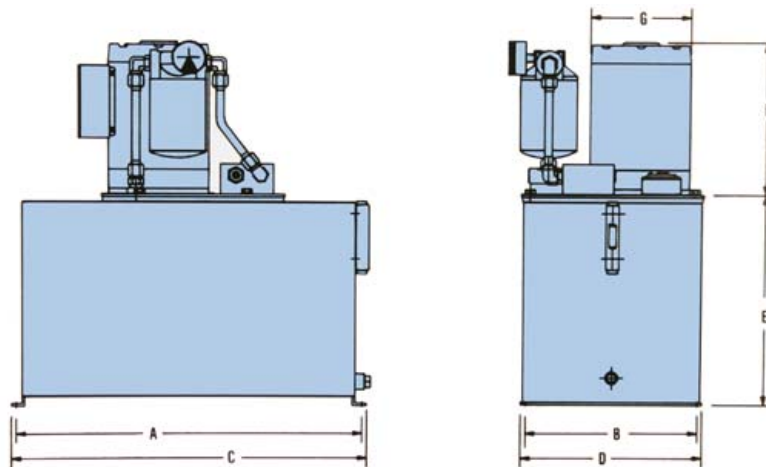
Reservoir Options

GC-9500 power systems are available with 5, 10, 15 and 20 gallon reservoirs. These reservoirs are made of cold-rolled steel and incorporate a sight gauge, a ferrous contaminant collector and an easily accessible drain plug. Each reservoir is gasketed for reliable sealing and the 10, 15 and 20 gallon units are raised off the floor to reduce vibration and enhance cooling. When selecting a reservoir, be sure to select the proper reservoir cover based on the flow rate of the selected pump. A key feature of the GC-9500 is that one reservoir cover will fit all 4 reservoir sizes. In addition, the GC-9500 can be ordered with a 10 micron spin-on type return line filter with 15 PSI bypass.

RESERVOIR COVERS

	Ordering Code	Kit P/N
For 0-6 GPM Manifold	1	1300530
For 7-20 GPM Manifold	2	1300531
For 0-6 GPM Bulkhead Fittings	3	1300610
For 7-20 GPM Bulkhead Fittings	4	1300611

RESERVOIR DIMENSIONS



RESERVOIRS (ALL MAX. DIM.*)

Size	A	B	C	D	E	Order Code	Kit P/N
5 gal.	11.25"	11.25"	12.00"	12.00"	13.50"	A	1300387
10 gal.	16.75"	12.62"	17.75"	14.00"	14.50"	B	1300388
15 gal.	23.75"	12.62"	24.75"	14.00"	14.50"	C	1300389
20 gal.	31.75"	12.62"	32.75"	14.00"	14.50"	D	1300390

MOTORS (ALL MAX. DIM.*)

Size	Max. F	Max. G
1/2 Hp	10.562"	7.875"
3/4 Hp	10.437"	7.875"
1 Hp	10.562"	7.875"
1-1/2 Hp	12.187"	7.875"
2 Hp	12.375"	7.875"
3 Hp	12.187"	7.875"
5 Hp	12.375"	7.875"

* All are max. dimensions. Contact factory for specific motor/reservoir dimensions.

Control Bases/Interfaces

CONTROL BASES/INTERFACES

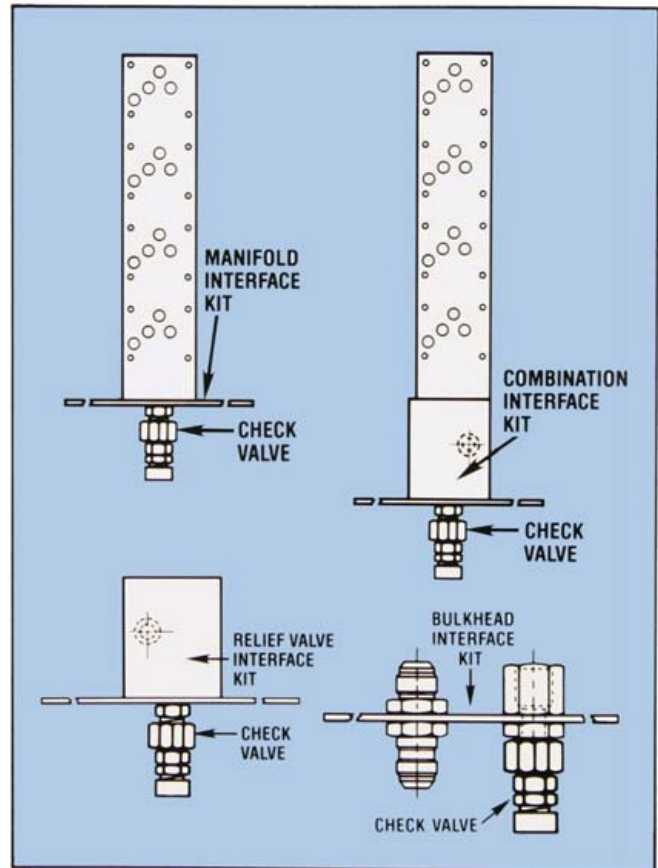
The GC-9500 can be specified with a wide variety of control bases. These modular bases are assembled right on the reservoir cover and range in complexity from simple bulkhead fittings to a four station manifold with relief valve block, pressure gauge, and in-line check valve. Relief valve settings range from 0 - 3600 PSI.

To specify a control base, first determine the output flow of the pump being used. Then determine the interface required based on that flow. An interface is the hardware used to mount the valve configuration required. If a relief valve and directional valves are required, a combination interface is used. If a relief valve only is required, a relief valve interface is used. *If directional valves only are required, a manifold interface is used. If no valving is required, a bulkhead interface is used.

Both combination and relief valve interfaces incorporate gauge ports to accept a 2.5" dry or glycerine-filled pressure gauge. All hardware required to assemble the interface is included in each individual kit.

NOTE: All of the above control base configurations can be specified with one of two in-line check valves which are sized based on pump output flow.

* The relief valve is not included in the interface.



INTERFACE KITS

	0-6 GPM		7-20 GPM	
	Order Code	Kit P/N	Order Code	Kit P/N
Combination Interface	1	1300508	2	1300507
Relief Valve Interface	8	1300722	3	130506
Manifold Interface	4	1300608	5	1300609
Bulkhead Interface	6	1300415	7	1300416

After determining the correct interface, complete the control base by selecting the manifold (if required) to accept the necessary directional control valves. Two basic manifolds are available in multiple stations with circuits in series or parallel. Manifolds with circuits in parallel are available in one to four station configurations and manifolds with circuits in series are available in two, three, and four section configurations. See page 11, Field V for kit part numbers.

PRESSURE GAUGES

	Pressure Range	Order Code	Kit P/N
Dry Pressure Gauge	0-1000 PSI	1	1300673
	0-3000 PSI	3	1300675
Glycerine Pressure Gauge	0-1000 PSI	2	1300679
	0-3000 PSI	4	1300681
No Gauge	--	5	--
†Gauge Hardware (supply own gauge)		6	1300671

*Other gauges available -- Contact factory.
† 1/4 NPT connector

MANIFOLD PORTING SIZES

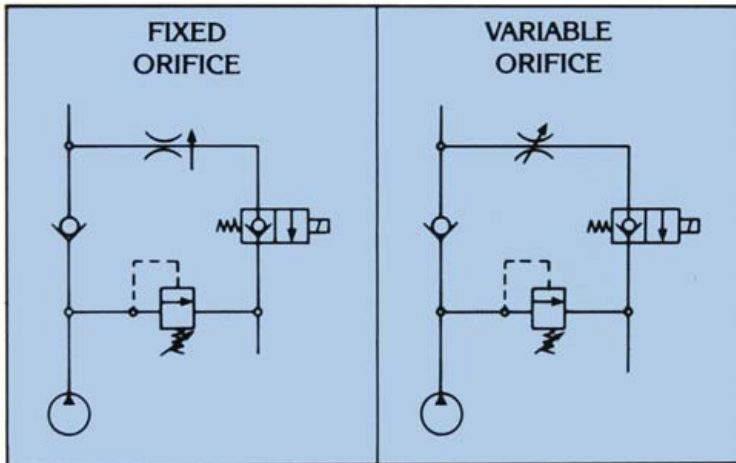
D03 Relief Valve Manifold	9/16-18 SAE
D03 Relief Valve Manifold	7/8-14 SAE
D03 Directional Control Valve Manifold	9/16-18 SAE
D05 Directional Control Valve Manifold	34-16 SAE
Lift-Hold-Lower Manifolds (0-6 GPM)	9/16-18 SAE
Lift-Hold-Lower Manifolds (7-20 GPM)	7/8-14 SAE

and Valve Options

LIFT-HOLD-LOWER MANIFOLDS

Four standard manifolds for lift-hold-lower circuits are available. These manifolds include cartridge, relief, check and flow control valves as well as a solenoid release valve for remote control of the lift-hold-lower function.

LIFT-HOLD-LOWER CIRCUITS



LIFT-HOLD-LOWER MANIFOLDS

	Order Code	Manifold Kit P/N		Order Code	Manifold Kit P/N
0-6 gpm	V	1300659	0-6 gpm	X	1300658
7-20 gpm	W	1300657	7-20 gpm	Y	1300656

SOLENOID RELEASE VALVES FOR LIFT-HOLD-LOWER MANIFOLDS

Voltages	0-6 GPM		7-20 GPM	
	Order Code	Kit P/N	Order Code	Kit P/N
12 VDC	1	1300725	5	1300667
24 VDC	2	1300726	6	1300668
115 VAC	3	1300723	7	1300669
230 VAC	4	1300724	8	1300670

FIXED ORIFICES FOR LIFT-HOLD-LOWER MANIFOLDS

	1 GPM	2 GPM	3 GPM	4 GPM	5 GPM	6 GPM
Order Code	A	B	C	D	E	F
Kit P/N	1300660	1300661	1300662	1300663	1300664	1300665

NOTE: Solenoid release valve and orifice kits are no-charge items when ordering a lift-hold-lower manifold kit.

How to Order GC-9500 Power Systems

The modular GC 9500 system may be ordered four ways depending on your requirements. It may be ordered completely assembled, partially assembled and in complete or partial kits. When ordering a complete or partially assembled GC 9500 power systems, utilize the ordering code designations assigned to each component or sub-assembly shown below. When ordering a complete or partial set of kits, utilize the seven digit part number assigned to each kit.

Specify the GC 9500 system in two parts. First specify the power unit which will include the pump, motor type, motor code, adapter, coupling, inlet piping, outlet hose, reservoir, return line filter and reservoir cover. Then specify the control base and valving options. The control base includes the check valve, interface, relief valve, pressure gauge and manifold.

POWER UNIT

95	I	II	III	IV	V	VI	VII	VIII	IX	X
Pump	Inlet Piping	Outlet Hose	Motor Type	Motor Code	Adapter	Coupling	Reservoir	Return Line Filter	Reservoir Cover	

I Pump Options		
Pressure Balanced Pumps	Ordering Code	Kit P/N
.129 cu. in. displ.	A	1300427
.194 cu. in. displ.	B	1300428
.258 cu. in. displ.	C	1300429
.323 cu. in. displ.	D	1300430
.388 cu. in. displ.	E	1300431
.453 cu. in. displ.	F	1300432
.517 cu. in. displ.	G	1300433
.581 cu. in. displ.	H	1300527
.647 cu. in. displ.	I	1300528
.711 cu. in. displ.	J	1300529

Two Stage High Low Pumps		
	Ordering Code	Kit P/N
.259/.065 cu. in. displ. GC Two Stage Pumps	K	1300483
.388/.065 cu. in. displ. GC Two Stage Pumps	L	1300484
.388/.194 cu. in. displ. GC Two Stage Pumps	M	1300485
.517/.194 cu. in. displ. GC Two Stage Pumps	N	1300356
.646/.194 cu. in. displ. GC Two Stage Pumps	O	1300486
.776/.259 cu. in. displ. GC Two Stage Pumps	P	1300487
.930/.465 cu. in. displ. D Two Stage Pumps	Q	1300488
1.395/.465 cu. in. displ. D Two Stage Pumps	R	1300489

II Inlet Piping		
	Ordering Code	Kit P/N
For Pressure Balanced Pump	1	1300480
For GC Two Stage Pump	2	1300641
For GC Two Stage Pump W/Inlet Tube	3	1300642
For D Series Two Stage Pump	4	1300643

III Outlet Hoses		
	Ordering Code	Kit P/N
For 0-6 GPM	A	1300572
For 7-20 GPM	B	1300573

IV Motor Type	
	Ordering Code
TEFC	T
Open Drip Proof	O
Explosion Proof	X
No Motor	Z

V Motor Code						
	TEFC Motors		OPEN DRIP PROOF Motors		EXPLOSION PROOF Motors	
	Order Code	Kit P/N	Order Code	Kit P/N	Order Code	Kit P/N
1/2 HP, 1725 RPM, 115/230, 1 PH, 60 Hz.	11	1300438	11	1300544	11	1300483
1/2 HP, 3450 RPM, 115/230, 1 PH, 60 Hz.	21	1300439	21	1300545	21	1300484
1/2 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	31	1300440	31	1300546	31	1300485
1/2 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	41	1300441	41	1300547	41	1300486
1/2 HP, 1725 RPM, 575, 3 PH, 60 Hz.	51	1300533	51	1300548	51	1300603
3/4 HP, 1725 RPM, 115/230, 1 PH, 60 Hz.	12	1300442	12	1300549	12	1300467
3/4 HP, 3450 RPM, 115/230, 1 PH, 60 Hz.	22	1300443	22	1300550	22	1300468
3/4 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	32	1300444	32	1300551	32	1300469
3/4 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	42	1300445	42	1300552	42	1300470
3/4 HP, 1725 RPM, 575, 3 PH, 60 Hz.	52	1300534	52	1300553	52	1300604
1 HP, 1725 RPM, 115/230, 1 PH, 60 Hz.	13	1300446	13	1300554	13	1300471
1 HP, 3450 RPM, 115/230, 1 PH, 60 Hz.	23	1300447	23	1300555	23	1300472
1 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	33	1300448	33	1300556	33	1300473
1 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	43	1300449	43	1300557	43	1300474
1 HP, 1725 RPM, 575, 3 PH, 60 Hz.	53	1300535	53	1300558	53	1300605
1-1/2 HP, 1725 RPM, 115/230, 1 PH, 60 Hz.	14	1300450	14	1300559	14	1300475
1-1/2 HP, 3450 RPM, 115/230, 1 PH, 60 Hz.	24	1300451	24	1300560	24	1300494
1-1/2 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	34	1300452	34	1300561	34	1300476
1-1/2 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	44	1300454	44	1300562	44*	1300477
1-1/2 HP, 1725 RPM, 575, 3 PH, 60 Hz.	54	1300453	54	1300563	54*	1300606
2 HP, 1725 RPM, 115/230, 1 PH, 60 Hz.	15	1300455	15	1300564	-	-
2 HP, 3450 RPM, 115/230, 1 PH, 60 Hz.	25	1300456	25	1300565	-	-
2 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	35	1300457	35	1300566	35	1300478
2 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	45	1300458	45	1300567	45*	1300479
2 HP, 1725 RPM, 575, 3 PH, 60 Hz.	55	1300536	55	1300568	55*	1300607
3 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	36*	1300490	36*	1300569	-	-
3 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	46	1300491	46	1300570	46*	1300490
5 HP, 1725 RPM, 230/480, 3 PH, 60 Hz.	37*	1300492	37*	1300571	-	-
5 HP, 3450 RPM, 230/480, 3 PH, 60 Hz.	47*	1300493	-	-	-	-

Explosion Proof Motors no longer available from stock.

VI Adapter Kit		
	Ordering Code	Kit P/N
For Four (4) Bolt Pump	A	1300384
For Two (2) Bolt A Pump	B	1300640

VIII Reservoir Kit		
	Ordering Code	Kit P/N
5 Gal. Capacity	A	1300387
10 Gal. Capacity	B	1300388
15 Gal. Capacity	C	1300389
20 Gal. Capacity	D	1300390

VII Coupling			
Motor Shaft Dia.	Pump Shaft Dia.	Ordering Code	Kit P/N
.62"	.50"	1	1300639
.62"	.56"	2	1300391
.62"	.62"	3	1300392
.88"	.50"	4	1300638
.88"	.56"	5	1300393
.88"	.62"	6	1300394

Some items are not available in small quantities, please contact factory for quotation.

IX Return Line Filter				
	0-6 GPM		7-20 GPM	
	Order Code	Kit P/N	Order Code	Kit P/N
10 Micron Filter With Manifold	1	1300684	4	1300686
10 Micron Filter No Manifold	2	1300685	5	1300687
No Filter	3	-	-	-

X Reservoir Cover Kit		
	Ordering Code	Kit P/N
For 0-6 GPM Manifold	1	1300530
For 7-20 GPM Manifold	2	1300531
For 0-6 GPM Bulkhead Fittings	3	1300610
For 7-20 GPM Bulkhead Fittings	4	1300611

CONTROL BASE

The control base can include the check valve, interface kit, relief valve, pressure gauge, manifolds and valving.

For Lift-Hold-Lower Manifold, specify manifold, solenoid release valve and fixed orifice together in field no. V (eg. VIA), see page 9.

CB **I** **II** **III** **IV** **V**
Check **Interface** **Relief** **Pressure** **Manifold**
Valve **Valve** **Gauge**

I Check Valve		
	Ordering Code	Kit P/N
0-6 GPM	A	1300413
7-20 GPM	B	1300414
No Check Valve	C	-

II Interface		
	Ordering Code	Kit P/N
Combination Interface 0-6 GPM	1	1300508
Combination Interface 7-20 GPM	2	1300507
Relief Valve Interface 0-6 GPM	8	1300722
Relief Valve Interface 7-20 GPM	3	1300506
Manifold Interface 0-6 GPM	4	1300608
Manifold Interface 7-20 GPM	5	1300609
Bulkhead Interface 0-6 GPM	6	1300415
Bulkhead Interface 7-20 GPM	7	1300416

III Adjustable Relief Valve		
	Ordering Code	Kit P/N
150-1200 PSI 0-6 GPM (Preset @ 900 PSI)	A	1300514
800-3500 PSI 0-6 GPM (Preset @ 3000 PSI)	B	1300515
150-1300 PSI 7-20 GPM (Preset @ 900 PSI)	C	1300516
500-3000 PSI 7-20 GPM (Preset @ 3000 PSI)	D	1300517
No Relief Valve	E	-

NOTE: Relief valve setting should not exceed pump maximum intermittent pressure rating as shown on pages 4-5.

IV Pressure Gauge			
	Pressure Range	Order Code	Kit P/N
Dry Pressure Gauge	0-1000 PSI	1	1300673
	0-3000 PSI	3	1300675
Glycerine Pressure Gauge	0-1000 PSI	2	1300679
	0-3000 PSI	4	1300681
No Gauge	--	5	--
ÜGauge Hardware (supply own gauge)		6	1300671

V Manifolds					
		D03 Parallel	D03 Series	D05 Parallel	D05 Series
1 Station	Order Code	H	-	O	-
	Kit P/N	1300360	-	1300364	-
2 Station	Order Code	I	L	P	S
	Kit P/N	1300361	1300613	1300365	1300524
3 Station	Order Code	J	M	Q	T
	Kit P/N	1300362	1300614	1300366	1300525
4 Station	Order Code	K	N	R	U
	Kit P/N	1300363	1300615	1300367	1300526

NOTE: Specify D03 valving for 0-6 GPM. Specify D05 valving for 7-20 GPM.

*V Lift-Hold-Lower Manifolds		
	Order Code	Kit P/N
0-6 GPM Fixed	V	1300659
7-20 GPM Fixed	W	1300657
0-6 GPM Variable	X	1300658
7-20 GPM Variable	Y	1300656

*For Lift-Hold-Lower Manifold, specify solenoid release valve and fixed orifice from tables on page 9. (Variable orifice is incorporated into manifold kit. It does not need to be specified.) Specify relief valve in Field III. Solenoid release valve and orifice are no-charge items when ordering a Lift-Hold-Lower Manifold kit.



PRODUCT RANGE

He Power Packs
12/24/48 VDC 0.8 - 3.5 kW and 0.75
- 3 kW AC modular power packs

Pressure Switches
5 - 350 bar connecting /
disconnecting

He Classic Power Packs
12/24/48 VDC modular
powerpacks in weatherproof boxes

W100 Hydraulic Pumps
0.5 - 2.0 cc/section, 227 bar

W300 Hydraulic Pumps
0.8 - 5.7 cc/section, 230 bar

W600 Hydraulic Pumps
4 - 12 cc/section, 276 bar

WM600 Hydraulic Motors
4 - 12 cc/section, 276 bar

W900 Hydraulic Pumps
5 - 31 cc/section, 276 bar

WM900 Hydraulic Motors
5 - 31 cc/section, 276 bar

WQ900 The Quiet Pump
5 - 27 cc/section, 230 bar

W1500 Hydraulic Pumps
19 - 50 cc/section, 276 bar

WM1500 Hydraulic Motors
19 - 50 cc/section, 276 bar

G25 Hydraulic Pumps
23 - 87 cc/section, 250 bar

GM25 Hydraulic Motors
23 - 87 cc/section, 250 bar

GPA Internal Gear Pumps
1.7 - 63 cc/section, 100 bar

GC Hydraulic Pumps/Fluid Motors
1.06 - 11.65 cc/section, 276 bar

II-Stage Hydraulic Pumps
4.2 - 22.8 cc/section, 276 bar

Rotary Flow Dividers
3.8 - 13.3 cc/section, 300 bar

D Hydraulic Pumps
3.8 - 22.9 cc/section, 207 bar

H Hydraulic Pumps
9.8 - 39.4 cc/section, 207 bar

G20/G30 Hydraulic Pumps
23 - 161 cc/section, 276 bar

GM20/GM30 Hydraulic Motors
23 - 161 cc/section, 276 bar

G20/G30 (LS) Hydraulic Pumps
23 - 161 cc/section, 276 bar

Transmission Pumps

Fuel Pumps

www.hbus.haldex.com



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