

Components for Hydraulic Systems



HYDRAULICS INTERNATIONAL, INC.

9000 Mason Avenue, Chatsworth, CA 91311 USA

Tel: (818) 718-2462

Fax: (818) 718-2459



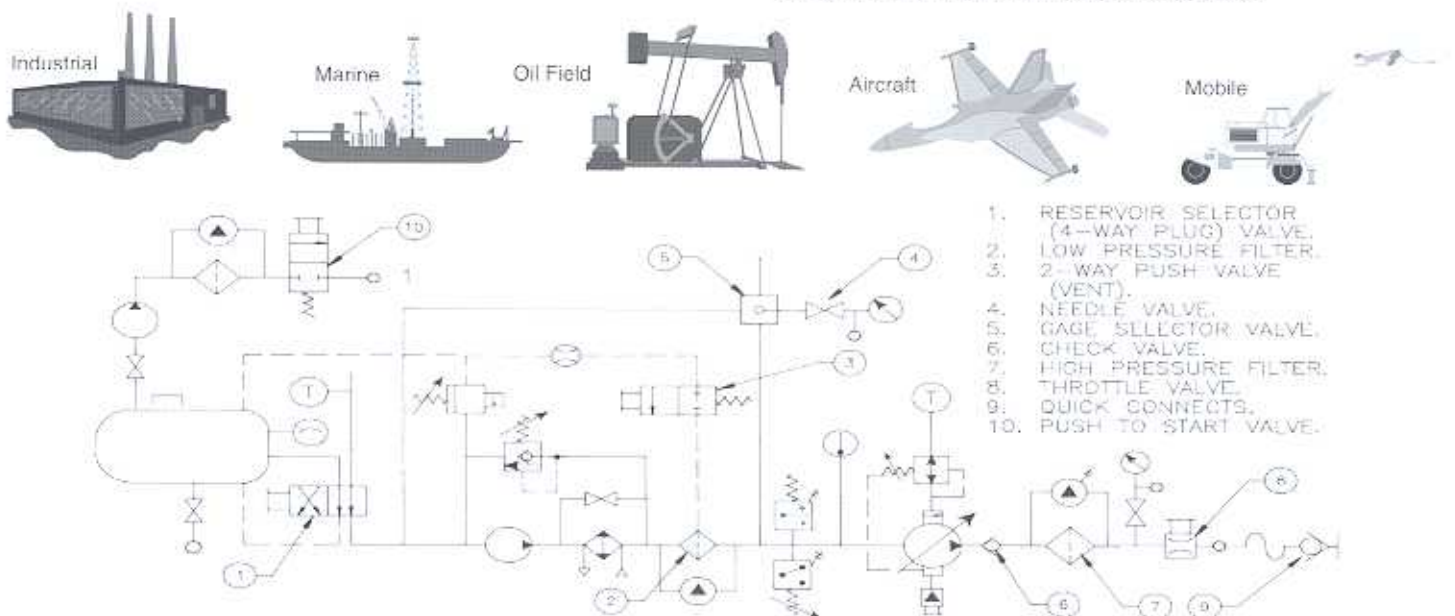
HYDRAULICS INTERNATIONAL, INC. Founded in 1976, has evolved into a fully integrated manufacturer of hydraulic and pneumatic test equipment with over 230 employees in 4 plants with 87,000 square feet of modern, fully equipped production area; machining, welding, sheet metal, quality control, assembly, testing, and engineering.

COMPONENTS FOR HYDRAULIC SYSTEMS. In the course of design and assembly of thousands of standard and special test units, our facilities have simultaneously expanded to produce many of the basic components and valves, in house, at minimum cost, in large quantities, on time, and with capability now, to provide these items to general industry.


The components briefly outlined on pages 3 and 4 indicate this capability and initial offering.....which will be expanded.


TYPICAL MARKETS:


But we are customer-driven, if you have a need for modified versions or related items in quantity, please contact us for a prompt reply or proposal.






This is a brief basic data. Individual detailed specifications are available for each item, along with application assistance.


CHECK VALVES - 5,000 PSI			
	Sizes		Body Materials
	Male Tube 37° Flare	NPT	
	-4, -6, -8, -12, -16	1/4, 3/8, 1/2, 3/4, 1	Steel - cad plated or 316 stainless steel
	-20, -24	1 1/4, 1 1/2	Steel - cad plated
REMARKS: Brass poppets. Cracking pressure 6 PSI ± 2 PSI.			



NEEDLE VALVES - 5,000 PSI			
	Sizes		Body Materials
	Male Tube 37° Flare	NPT	
	-4, -6 Straight or angle	1/8, 1/4 Straight or angle	Forged brass, or 316 stainless steel
REMARKS: Balanced needle with PTFE bearing plus O-ring seal. Panel mount is standard. Non panel mount available for quantity requirements.			


PLUG VALVES - 300 PSI				
	Sizes		Flow Selection	Body Materials
	SAE O-ring Boss	NPT	4 Way, 3 Way or 2 Way Detented	Aluminum
	-16, -24, -32	1, 1 1/2, 2		Static seals: Buna or EPR
REMARKS: Typical applications: Hydraulic tank selector valve. Fueling transfer. Spring loaded carbon filled PTFE seals in plug for leak free operation.				


THROTTLE VALVES -5,000 PSI			
	Sizes & Port Options		
	CV ≅ 4		Materials
	Tube	NPT	Body Flanges Seals
	-8, -12, -16 37° Male or SAE Boss	1/2, 3/4, 1	Aluminum Steel - Black Oxide Plated Buna or EPR
REMARKS: Low torque. Flow regulation or shutoff.			

QUICK DISCONNECTS							
Low Pressure		High Pressure	Sizes - 37° Flare Male Tube		Materials		
 500 PSI		 Up to 5,000 PSI	500 PSI	5,000 PSI	Part	Low Press.	Hi Press.
			-8x-12	-4, -6, -8, -10	Fittings	Aluminum	Aluminum or Alloy Steel
			or -12	-12, -16*, -20, -24	Internals	304 S.S.	304 S.S.
					Seals	Viton	Buna
					Seats	Soft	Lapped Aluminum and S.S.
REMARKS: Double shutoff. Zero leakage. Panel mount is standard. High pressure meets MIL-C-5502 and MIL-H-5440C. 500 PSI meets MIL-N-25677 and MIL-A-25676.							

FILTERS									
	Type			Type			Materials		
	A	B	C	A	B	C	Heads, Bodies	Elements	
	Side Ported	Side to top Ported	Manifold O-ring face seal	5,000 PSI -6, -8, -12, -16	5,000 PSI -16	5,000 PSI -16	Steel	Alum.	Commercial or MIL spec. 3 to 25 micron
				-16 types A & B			-6, -8, -12, -16, types A & C		
				3,000 PSI -6					
				Ports: SAE O-ring boss		O-ring face seal			
REMARKS: ΔP mechanical indicators are standard. Buna or EPR seals optional.									

FILTERS				
		-20 SAE O-ring boss ported	Sizes	
			Type D	Type E
Type D	Type E		Single Element	Dual Element
REMARKS: Commercial or Military series elements, 3 to 100 micron range. 600 PSI maximum.				

HAND PUMPS - Double Acting						
	Ports: SAE O-Ring Boss		PSI Rating	CU.IN. Per Cycle	Mount	Materials
	Inlet	Outlet				Body
	-8	-4	3,000	.7	Side	Piston & Plunger
	-8	-8	1,500	2.0	Base	Seals
REMARKS: Side mount unit meets MIL-P-5515 and AN6248 specs. Rated maximum pressures require approximately 50 lbs force on 30" handle.						

GAUGE SELECTOR					
	5 Ports: One to gauge. Four sensing.	Ports	Materials		
		Optional: 1/4 NPT or -4 SAE O-Ring Boss	Body	Internals	Seals
			Cast Aluminum	Brass & Bronze	Buna or EPR
REMARKS: Typical use: 1 gauge to read boost pump suction or output or filter inlet or outlet. 600 PSI maximum.					

START VALVE - 2 WAY, N.C., SPRING RETURN					
	600 PSI	Ports	Materials		
		-6 SAE O-Ring boss	Body	Internals	Seals
			Aluminum Bar	Brass	Buna or EPR
REMARKS: Optional limit switch to direct start motors up to 2 HP - 250 VAC.					