



Driven by Technology & Solutions



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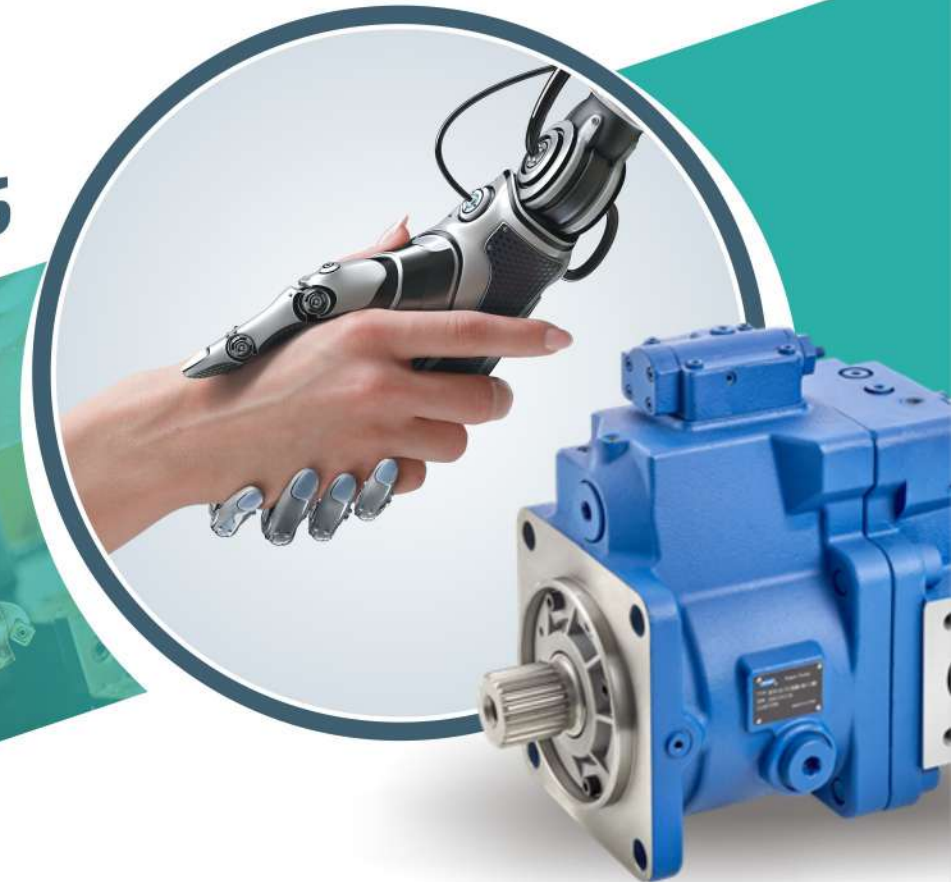
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TWIN HYDRAULICS IS
DEDICATED TO
YOUR SUCCESS



COMPANY OVERVIEW

Twin Hydraulics engaged in supplying of high quality hydraulic components, high precision custom solutions in terms of hydraulic power pack and manifold block. Our manufacturing and trading unit located at Ahmedabad, Gujarat, India. We are dedicated to enhancing live through innovative solutions. We are providing hydraulic spares, custom solutions and services to mobile work machinery manufacture including construction and mining, agriculture, forestry and municipal utility machine as well as manufactures of industrial and pharmaceutical machines to provide highest quality to our customers. We have distributorship of **THM, HUADE, HILECTRO, SUMITOMO, STF, HYDAC** for Gujarat region.

VISION & VALUES

It is the vision of Twin Hydraulics to enhance the lives of those who interact with us and our products. We are acutely aware that we play an integral role in things bigger than ourselves, and therefore we take responsibility for the quality and precision of our contribution.

Why Twin Hydraulics?

- ▶ Top quality products
- ▶ Reasonable price
- ▶ Ready stock availability
- ▶ Total after sales support for end users
- ▶ Fast response times
- ▶ Dedicated workforce and team approach
- ▶ Tailored technical assistance
- ▶ Conformity to International Standards
- ▶ Focus on results and creative problem solving

OUR KEYS TO SUCCESS



Providing a professional quality service on time and on budget.



Working honestly by developing a follow-up strategy to gauge performance and build trust with all our clients.



Developing an end to end engineering product and services capability



Working closely with our customers and providing a transparent line of communication.



PISTON PUMP



Type	Series	Size (CC/REV)	Max. Pressure (Bar)	Features
Fixed Displacement	A2F (BENT AXIS)	10 to 500	350	Used in open & close circuit
	A2FO (BENT AXIS)	10 to 200		
	CY14-1B	1.5 TO 400	350	Simple structure, Small size, Good self priming capacity
Variable Displacement	A10VSO	10,18,28,45,71,100,140	280	Available in different controls (DR, DRG, DFR, DFR1, DFLR, DFLR1)
	A4VSO	40,71,125,180,250,300,355	350	Different pump combinations possible
	A11VO/ A11VLO	95,130,190,260	350	Available in through shaft option only
	A7V (BENT AXIS)	"20,28,40,55,58,78,80, 107,117,160,250,355,500"	350	High efficiency, Long life, Different controls, Steplessly variable at different drive speeds
	A4VTG	71,90	280	Used in Close loop circuit
	A8V	28,55,58,80, 107,125,160	350	Two variable pumps in common housing
	A Series	16, 22, 37, 45, 56, 64, 70, 80, 90, 100, 120, 145, 160	210	Overall efficiency 90%, Available in control 01, 04
	AR Series	10,16,22	210	Application : Machine tool, High efficiency machines
	PV	16 TO 270	420	Available in different controls
A2VK	12,28,55,107	250	Manual control with hand wheel with measuring scale	

SERVO MOTOR PUMP & DRIVES



We also give Servo Solution with Hilectro Servo motor, Drives and Sumitomo Internal Gear Pump for Injection Moulding Application. Hilectro Drive Upholds the purpose of HAITIAN group Innovation, Putting forward Slogan " INNOVATION DRIVES THE FUTURE" We constantly improve product and service quality through innovation, so as to enhance the overall competitiveness of our products. We firmly believe good products can put customers at ease and also that good products can enhance market competitiveness.

VANE PUMP



Category	Series	Size (CC/REV)	Max. Pressure (Bar)	Features
FIXED DISPLACEMENT	LMX (YUKEN PVR)	4 TO 135	175	Suitable For All Industrial Application
	PV2R	6 TO 348	250	Silent Vane Pump
	VPS	16 TO 180	280	Servo Vane Pump, Max. Rpm 2800
	TXB, T6B, T6C, T6D, T6E (VELJAN)	6 TO 270	275	High Pressure Vane Pump
VARIABLE DISPLACEMENT	TVCM (SVPF YUKEN)	4.4 TO 28	70	Space Saving Design, Silent During Operation, Suitable For Machine Tool And Spm Machine
	HVPF	7 TO 22	70	
	VDN (NACHI EQUIVALENT)	8 & 16	80	

GEAR PUMP



Category	Series	Size (CC/REV)	Max. Pressure (Bar)	Features
EXTERNAL GEAR PUMP	3000 PSI SERIES	0.8 TO 156	210	Available in multiple stages combination
	PF2G	0.19 TO 100	270	
INTERNAL GEAR PUMP	IGP / DIGP	8 TO 160	350	Available upto 2 stages for few combination, Suitable for Injection Molding Application
SUMITOMO INTERNAL GEAR PUMP	QT	31.5 TO 125	160	



DIRECTION CONTROL VALVE



Category	Series	Size	Max. Pressure (Bar)	Max. Flow (L/min)
Solenoid Operated Spool Type	WE	NG4, NG6, NG10	315	120
Pilot Operated Spool Type	WEH	NG16, NG22, NG32	350	1100
Hand Operated (Mobile Valve)	P40, P80, P120 (MONOBLOCK)	1 TO 6 LEVER	250	120
	SECTIONAL VALVE	55, 80, 120, 160, 240	315	240
	4DL	NG10	315	100
Solenoid Operated Poppet Type	SEW	NG6, NG10	630	40
	SED	NG6	350	25
	23QDF	6, 10	315	36

FLOW CONTROL VALVE



Category	Series	Size	Features
LINE MOUNTED	DV	6, 8, 10, 12, 16, 20, 25, 30, 40	For Setting and Shut-off flow of fluid
	DRV (WITH CHECK VALVE)	6, 8, 10, 12, 16, 20, 25, 30, 40	
	MG	6,8,10,15,20,25,30	Pressure and Viscosity Dependent
	MK (WITH CHECK VALVE)	6,8,10,15,20,25,30	
SANDWICH (MODULAR)	Z2FS (WITH CHECK VALVE)	6, 10, 16, 22	Meter IN & Meter Out control
MANIFOLD MOUNTED	2FRM	5, 6, 10	Pressure Compensator and Check valve Optional

PRESSURE CONTROL VALVE



Category	Series	Size	Max. Pressure (Bar)	Type
Direct Operated Relief	DPRH	6, 10, 16,	400	Cartridge, Threaded, Subplate
	DBD	6, 8, 10, 15, 20, 25, 30	400	
	ZDB	6, 10	315	Sandwich (Modular)
Pilot Operated Relief	DB, DBW, DB2W	10, 15, 20, 25, 30	350	Cartridge, Subplate, Threaded
	Z2DB	6, 10	315	Sandwich (Modular)
Direct Operated Reducing	DR-DP	5,6,10	315	Subplate Mounting
	ZDR	6, 10	210	Sandwich (Modular)
Pilot Operated Reducing	DR	10, 15, 20, 25	315	Subplate, Threaded
Pilot Operated Sequence	DZ	10, 20, 30	315	Subplate, Check valve Optional
Direct Operated Sequence	DZ-DP	5, 6, 10	315	Subplate Mounting
Pilot Operated Unloading	PPRU	10, 20, 30	315	Subplate
Pilot Operated Shutoff Valve	DA/DAW	10,20,30	315	Subplate
Pressure Control Module	PCM	06-06, 20-06, 20-10, 20-16, 30-16	315	Tank Mounted

CHECK VALVE



Category	Series	Size	Max Flow (L/min)
FREE FLOW CHECK VALVE	C, S	6, 8, 10, 15, 20, 25, 30	450
	Z1S (MODULAR)	6,10	100
PILOT OPERATED CHECK VALVE	RVP	6, 8, 10, 12, 16, 20, 25, 30, 40	600
	SV/SL (SUBPLATE)	10,20,30	550
	Z2S (MODULAR)	6,10,16,22	450
	PV (PREFILL VALVE)	40, 50, 63, 80,100	1200



PROPORTIONAL & SERVO VALVE



Category	Series	Size	Max. Pressure (Bar)	Max. Flow (L/min)	Features
Direct Operated Proportional Directional Valve	4WRA	6, 10	315	95	Without Electric Feedback
	4WRE	6, 10	315	180	With Electric Feedback
	4WRA(E)--2X	6	315	30	With Integrated Control Electronics
	4WRE(E)--2X	6, 10	315	180	With Integrated Control Electronics & Electrical Position Feedback
Pilot Operated Proportional Directional Valve	4WRZ / 4WRH	10, 16, 25, 32	350	1600	4wrh External Pilot Operated Type
	4WREKE	10, 16, 25, 32, 35	315	10	With Position Feedback
Proportional Pressure Relief Valve	DBETR	6			With Inductive Position Transducer
	DBE / DBEM	10, 20, 30	315	400	Max. Pressure Protection Optional
	DBETX---1XT	6	315	1	Pilot Valve
	EDG (YUKEN SERIES)	01	250	2	Used With Suitable Power Amplifier
	EBG (YUKEN SERIES)	01	210	170	With Good Stability
Proportional Pressure Reducing Valve	(Z)DBE / (Z)DBEE	6	315	30	With Integrated Control Electronics
	3DREP	6	100	15	3 Way Reducing Valve
	DRE / DREM	10, 20, 30	315	600	Max. Pressure Protection Optional
Proportional Flow Control Valve	3DREPE6	6	100	15	With Integrated Control Electronics
	2FRE	6, 10, 16	315	160	With Pressure Compansator
Proportional Pressure Relief & Flow Control Valve	EFBG (YUKEN SERIES)	02, 03, 06, 10	250	500	With Meter In Flow Control
Servo Solenoid Proportional Valve	4WREH	6, 10	70	100	With Position Feedback And Integrated Electronics

HYDRAULIC MOTOR



Category	Series	Size (CC/REV)	Max. Torque (Nm)	Max. RPM
AXIAL FIXED DISPLACEMENT PISTON MOTOR	A2FM	16 TO 180	89 TO 1146	8000 TO 3600
	A2FE	56, 80, 107, 125, 160	313 TO 1021	5500 TO 3600
AXIAL VARIABLE DISPLACEMENT PISTON MOTOR	A6VE	55, 80, 107, 160	88 TO 889	5000 TO 2650
	A6V	28, 55, 80, 107, 160, 225, 500	157 TO 2785	8750 TO 2000
ORBITAL MOTOR	BMM, BMR, BMP, BM3Y, BM4U, BM5	8 TO 985	7 to 1900	7 to 2500
RADIAL PISTON MOTOR	ITM	63 TO 10000	19843	500 to 80
	ITMS	630 TO 3500	8930	280 to 160
	STFC	1000 TO 6800	22400	300 to 120
	STFD	100 TO 1600	4830	900 TO 290
	CRM HA / HB	280, 400, 560, 840	USED IN HEAVY DUTY APPLICATION LIKE, MINING MACHINE, CONSTRUCTION, CEMENT INDUSTRIES, HEAVY METALLURGY, MILITARY INDUSTRIES	
CRM PS	02, 05, 08, 11, 18, 25, 35			

MANIFOLD BLOCK

Our manifolds are tailor-made by an experienced team of hydraulic specialists for each individual application. This begins with the drafting of the circuit diagram, and goes on to include the manufacturer-independent selection of valve components, up to the design stage, where the installation space available is also given due consideration. Depending on the customer's requirements, manifolds made of high-tensile aluminum or steel are available. Such solutions are unbeatable with regard to weight, compact dimensions and circuit integration. Even for small batch quantities, we are able to deliver at a lower cost than classic, piped systems. We Designed Block for both more complex as well as simple hydraulics systems. Block is also available with or without Valve Assembly.



RANGES :

1. CETOP Block from NG6 to NG32 with Single or Multiple stages
2. Block for Screw In Type Valve
3. Customized Block as per customer Application

HYDRAULIC ACCESSORIES



Our range of Product Includes :

1. Accumulator
2. Air oil cooler and shell & tube type Oil Cooler
3. Filters (Suction, Return Line, Pressure line)
4. Filler Breather
5. Bell housing (Aluminum & Cast Iron)
6. Gear Coupling
7. Pressure Switch
8. Oil level Indicator (Visual and Sensor Type)
9. Pressure Gauge
10. Hydraulic hose pipe
11. Hydraulics fittings
12. Electric coil & Connector for solenoid valve

HYDRAULIC FILTRATION UNIT



Our hydraulic filter carts provide a convenient mode of offline filtration, flushing and fluid transfer for use with in-plant machinery and hydraulic equipment.

Benefits :

- Powerful one horsepower motor Coupled with a gear pump, provides efficient fluid transfer and filtration
- Removable tray for easy clean up, fluid will not leak out when tipped back
- Clear braided hoses visually show fluid flowing
- Rugged and durable frame for long service life
- High efficiency media gives cost effective filtration
- Integrated safety relief valve protects against over pressurizing and damage to pump, hoses and filters
- Suction filter protects pump
- Electric panel with electric clogging indicator

HYDRAULIC POWER PACK



We have developed a large customer base in the national as well as in international market by manufacturing and exporting superior quality Industrial Hydraulic Power Pack. This is manufactured by our experts using excellent quality materials in accordance with industrial norms. Before dispatching, it is tested by our deft quality inspectors on numerous parameters.

Specifications :

Power	Up to 0.5 HP to 700 HP
Circuit	Customized, or according to application requirement
Flow Capacity	Up to 300 Liters
Pressure	Max 550 Bar.
Duty Cycle	Continuous or intermittent

Features :

- Compact design
- Unmatched performance
- Longer working life

Optional Accessories :

- Oil coolers (Water or Air)
- Electrical control
- Logic control Valves
- PLC Based Electric Control