



Shandong Junfu Hydraulic Technology Co.,ltd

Professional Hydraulic kits supplier

Profession / Focus / Quality

hydraulic kits for dump truck

front-end hydraulic cylinder



underbody cylinder



hydraulic pump



PTO



hydraulic valve



hydraulic oil tank



Hydraulic cylinder

ADVANTAGES OF OUR CYLINDERS



Lower dead weight
Higher payload



Faster tipping and lowering
shorter cycle time



Safer and more reliable
Reduced downtime



Most efficient
Productive & profitable



Cost effective
Can reduce operating costs



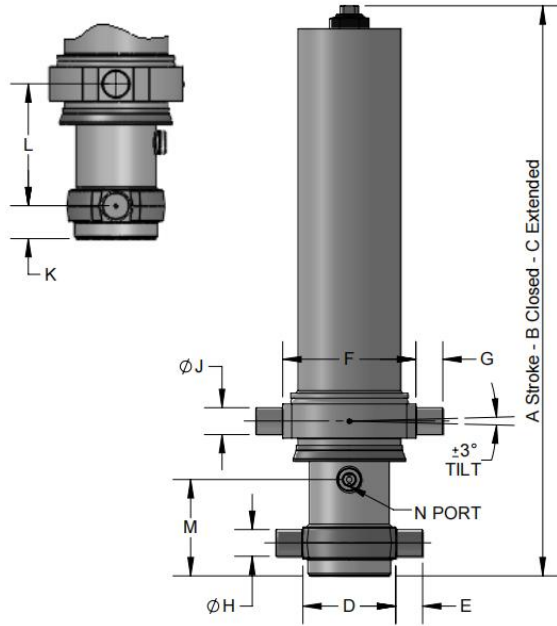
Longer service intervals
Increased operating time



Lower oil & fuel consumption
Environmental friendly

Hydraulic cylinder

FC series: Front-end hydraulic cylinder with outcover



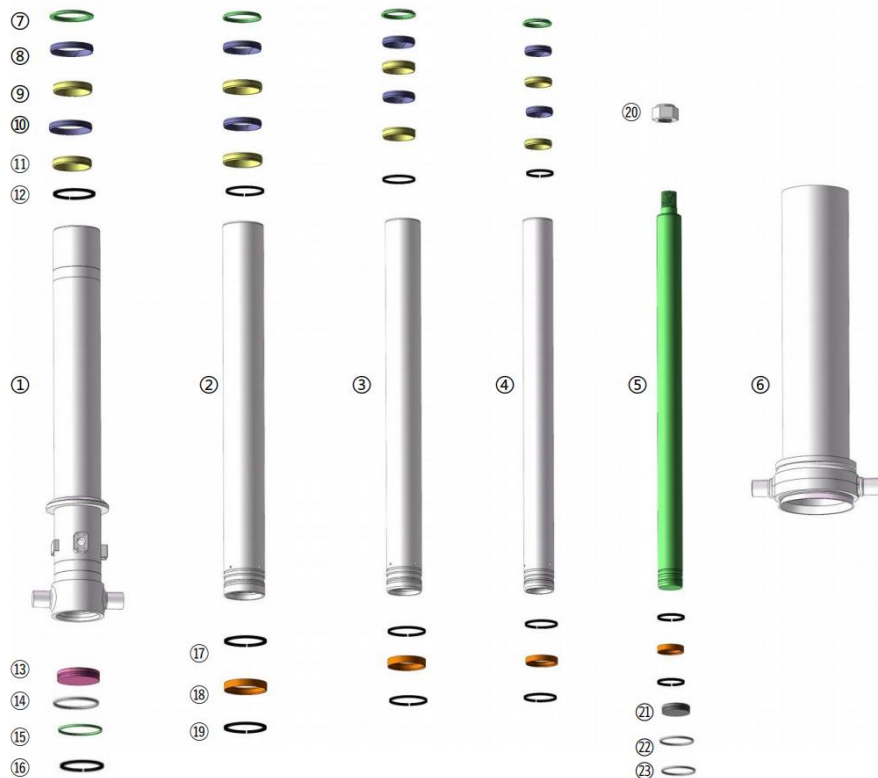
FC Hydraulic cylinder

Type	Cylinder Dia (mm)	Rated pressure Mpa	Stroke (mm)	Mounting distance L	Total length B	Upper trunnion distance F	Downside Trunnion distance D	Shaft Dia J	Weight (kg)	Outcover dia D	Oil port N
FC129-3-3220	129	20	3220	343	1387	280/410	200/330	60	179	219	G1''
FC129-3-3650	129	20	3650	343	1535	280/410	200/330	60	204	219	G1''
FC129-3-3880	129	20	3880	343	1685	280/410	200/330	60	230	219	G1''
FCA129-3-4235	129	20	4235	343	1803	280/410	200/330	60	230	219	G1''
FC129-4-3480	129	20	3650	343	1218	280/410	200/330	60	178	219	G1''
FC129-4-4320	129	20	4320	343	1685	280/410	200/330	60	230	219	G1''
FC137-3-3830	137	20	3830	343	1640	340/470	200/330	60	244	245	G1''
FC137-3-4280	137	20	4280	343	1860	340/470	200/330	60	268	245	G1''
FC137-4-3650	137	20	3650	343	1290	340/470	200/330	60	201	245	G1''
FC137-4-4280	137	20	4280	343	1455	340/470	200/330	60	225	245	G1''
FC137-4-4650	137	20	4650	343	1545	340/470	200/330	60	237	245	G1''
FC137-4-5180	137	20	5180	343	1720	340/470	200/330	60	260	245	G1''
FC157-4-3830	157	20	3830	343	1350	340/470	245/375	60/65	247	245	G1''
FC157-4-4280	157	20	4280	343	1460	340/470	245/375	60/65	257	245	G1''
FC157-4-4650	157	20	4650	343	1555	340/470	245/375	60/65	272	245	G1''
FC157-4-5000	157	20	5000	343	1650	340/470	245/375	60/65	288	245	G1''
FC157-5-3830	157	20	3830	343	1170	340/470	340/470	60/65	218	245	G1''
FC157-5-4280	157	20	4280	343	1200	340/470	340/470	60/65	227	245	G1''
FC157-5-4650	157	20	4650	343	1275	340/470	245/375	60/65	245	245	G1''

FC179-4-4280	179	20	4280	343	1480	340/470	245/375	60/65	300	245	G1"
FC179-4-4650	179	20	4650	343	1570	340/470	245/375	60/65	312	245	G1"
FC179-4-5000	179	20	5000	343	1660	340/470	245/375	60/65	334	245	G1"
FC179-4-5390	179	20	5390	343	1755	340/470	245/375	60/65	352	245	G1"
FC179-4-5700	179	20	5700	343	1790	340/470	245/375	60/65	362	245	G1"
FC179-4-5780	179	20	5780	343	1850	340/470	245/375	60/65	360	245	G1"
FC179-4-6100	179	20	6100	343	1940	340/470	245/375	60/65	383	245	G1"
FC179-5-3830	179	20	3830	343	1170	340/470	245/375	60/65	256	245	G1"
FC179-5-4280	179	20	4280	343	1265	340/470	245/375	60/65	274	245	G1"
FC179-5-4650	179	20	4650	343	1282	340/470	245/375	60/65	283	245	G1"
FC179-5-4800	179	20	4800	343	1360	340/470	245/375	60/65	292	245	G1"
FC179-5-5000	179	20	5000	343	1405	340/470	245/375	60/65	305	245	G1"
FC179-5-5390	179	20	5390	343	1480	340/470	245/375	60/65	320	245	G1"
FC179-5-5800	179	20	5800	343	1570	340/470	245/375	60/65	333	245	G1"
FC179-5-6300	179	20	6300	343	1655	340/470	245/375	60/65	352	245	G1"
FC179-5-6800	179	20	6800	343	1755	340/470	245/375	60/65	371	245	G1"
FC179-5-7300	179	20	7300	343	1845	340/470	245/375	60/65	400	245	G1"
FC202-4-5390	202	20	5390	343	1760	360/490	270/402	60/65	450	273	G1"
FC202-4-5780	202	20	5780	343	1860	360/490	270/402	60/65	460	273	G1"
FC202-4-6100	202	20	6100	343	1935	360/490	270/402	60/65	465	273	G1"
FC202-5-6500	202	20	6500	343	1705	360/490	270/402	60/65	438	273	G1"
FC202-5-6800	202	20	6800	343	1765	360/490	270/402	60/65	452	273	G1"
FC202-5-7300	202	20	7300	343	1860	360/490	270/402	60/65	473	273	G1"
FC202-5-7800	202	20	7800	343	1935	360/490	270/402	60/65	491	273	G1"
FC202-6-4300	202	20	4300	343	1120	360/490	270/402	65	315	273	G1"
FC202-6-6000	202	20	6000	343	1410	360/490	270/402	65	383	273	G1"
FC202-6-6500	202	20	6500	343	1480	360/490	270/402	65	403	273	G1"
FC202-6-6800	202	20	6800	343	1535	360/490	270/402	65	417	273	G1"
FC202-6-7000	202	20	7000	343	1570	360/490	270/402	65	424	273	G1"
FC202-6-7500	202	20	7500	343	1660	360/490	270/402	65	452	273	G1"
FC191-5-5780	191	20	5780	343	1530	360/490	270/402	60/65	373	273	G1"
FC191-5-6180	191	20	6180	343	1610	360/490	270/402	60/65	381	273	G1"
FC191-5-6500	191	20	6500	343	1670	360/490	270/402	60/65	395	273	G1"
FC191-5-6725	191	20	6725	343	1790	360/490	270/402	60/65	400	273	G1"
FC191-5-7300	191	20	7300	343	1835	360/490	270/402	60/65	430	273	G1"
FC191-4-5780	191	20	5780	343	1835	360/490	270/402	60/65	407	273	G1"
FC191-4-6100	191	20	6100	343	1955	360/490	270/402	60/65	434	273	G1"
FC240-4-6180	240	20	6180	343	1990	420/560	342/455	75	694	322	G1"

FC169-5-6180	169	20	6180	343	1631	360/490	245/375	60	330	245	G1"
FC169-5-6230	169	20	6230	343	1641	360/490	245/375	60	265	245	G1"
FC 169-5-7130	169	20	7130	343	1821	360/490	245/375	60	370	245	G1"
FC 149-4-4150	149	20	4150	343	1683	340/470	200/330	60	240	245	G1"
FC 149-4-5180	169	20	5180	343	1683	340/470	200/330	60	290	245	G1"
FC214-5-6500	214	20	6500	343	1740	360/490	270/402	65	479	273	G1"
FC214-5-7300	214	20	7300	343	1900	360/490	270/402	65	526	273	G1"
FC214-5-7800	214	20	7800	486	1994	360/490	270/402	65	540	273	G1"
FC214-5-8130	214	20	8130	486	2060	360/490	270/402	65	570	273	G1"
FC214-5-9030	214	20	9030	486	2270	360/490	270/402	65	610	273	G1"
FC214-7-4800	214	20	4800	486	1055	360/490	270/402	65	328	273	G1"
FC214-7-7600	214	20	7600	486	1455	360/490	270/402	65	440	273	G1"
FC214-8-5200	214	20	5200	343	1000	360/490	270/402	65	320	273	G1"
FC240-5-7300	240	20	7300	486	1890	420/560	342/455	75	680	322	G1"
FC240-5-8130	240	20	8130	486	2060	420/560	342/455	75	750	322	G1"
FC240-5-9030	240	20	9030	486	2270	420/560	342/455	75	820	322	G1"

FC CYLINDER SPARE PARTS SCHEME



NO1	cylinder stage 1	NO13	bottom plate
NO2	cylinder stage 2	NO14	O ring
NO3	cylinder stage 3	NO15	bottom seal ring
NO4	cylinder stage 4	NO16	snap ring(internal)
NO5	piston rod	NO17	snap ring(external)
NO6	out cover	NO18	slider
NO7	wiper	NO19	snap ring(external)
NO8	support ring	NO20	bolt with nylon
NO9	main oil seal	NO21	piston bottom plate
NO10	support ring	NO22	o ring
NO11	auxiliary oil seal	NO23	plate clip
NO12	snap ring(internal)		

Technical note:

1. rated pressure: 22mpa
2. max pressure:25mpa
3. material: hot rolled 27simn seamless steel with hard chrome
4. working temperature:-40℃ to 80℃
5. This cylinder is a lifting device only and may not be used as a structural member or be subjected to side load.Side load and/or poor alignment might result in cylinder leakage. The cylinder thrust on the first stage must not exceed the maximum allowable

FE Hydraulic cylinder

FE SERIES:FRONT-END HYDRAULIC CYLINDER WITH EARRING



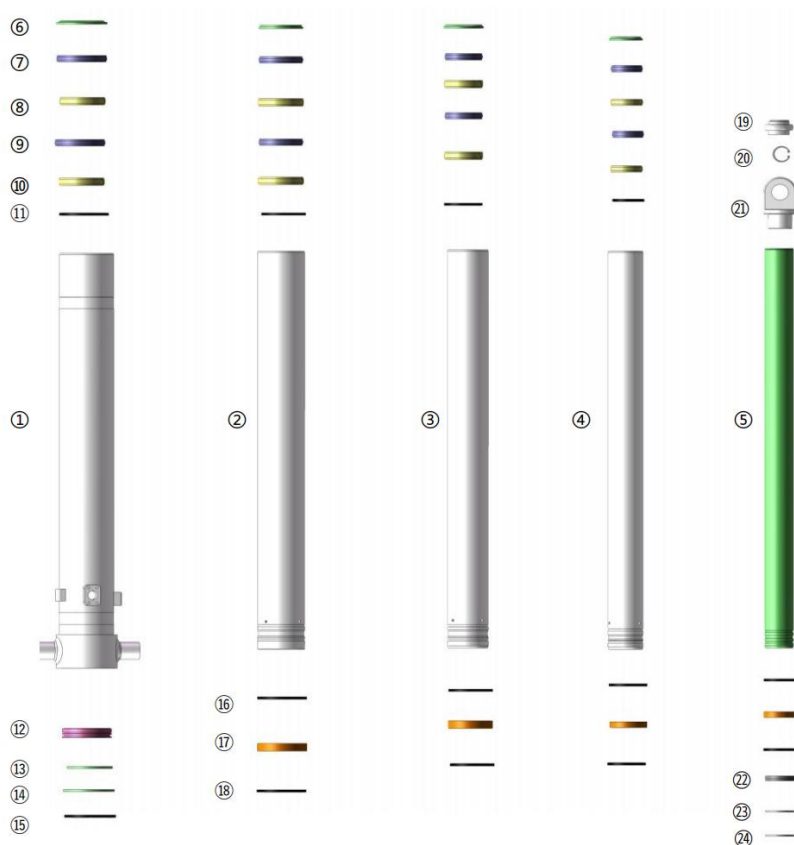
pin and trunnion connection
light weight design
cost-effective solution



FE Hydraulic cylinder

Type	Cylinder Dia (mm)	Rated pressure Mpa	Stroke (mm)	Mounting distance K	Total length H	Downside Trunnion distance B1/B	Shaft Dia	Weight(k g)	Outcov er dia D	Oil port M
FEA129-4-4320	129	20	4320	1365	1482	201/331	60	144	171	G1''
FE149-4-04940	149	20	4940	1529	1639	201/331	60	184	171	G1''
FEA157-4-5540	157	20	5540	1649	1764	245/375	60	223	181	G1''
FE169-5-5355	169	20	5355	1365	1480	245/375	60	240	193	G1''
FE169-5-5780	169	20	5780	1559	1674	245/375	60	250	193	G1''
FE169-5-6180	169	20	6180	1559	1674	245/375	60	244	193	G1''
FE169-5-6380	169	20	6380	1612	1727	245/375	60	246	193	G1''
FE179-5-5550	179	20	5550	1427	1542	245/375	60	249	203	G1''
FE179-5-5881	179	20	5881	1550	1690	245/375	60	255	203	G1''
FE191-5-06180	191	20	6180	1527	1647	245/375	60	290	216	G1''
FEA191-5-7130	191	20	7130	1732	1852	245/375	60	323	216	G1''
FE191-5-06134	191	20	6134	1555	1675	245/375	70	352	216	G1''

FE CYLINDER SPARE PARTS SCHEME



NO1	cylinder stage 1	NO13	O ring
NO2	cylinder stage 2	NO14	bottom seal ring
NO3	cylinder stage 3	NO15	snap ring(internal)
NO4	cylinder stage 4	NO16	snap ring(external)
NO5	piston rod	NO17	slider
NO6	wiper	NO18	snap ring (outside)
NO7	support ring	NO19	spherical bearing
NO8	main oil seal	NO20	clip
NO9	support ring	NO21	earring
NO10	auxiliary oil seal	NO22	piston plate
NO11	snap ring(internal)	NO23	piston plate O ring
NO12	bottom plate	NO24	plate clip

Technical note:

1. rated pressure: 22mpa
2. max pressure:25mpa
3. material: hot rolled 27simn seamless steel with hard chrome
4. working temperature:-40°C to 80°C
5. This cylinder is a lifting device only and may not be used as a structural member or be subjected to side load.Side load and/or poor alignment might result in cylinder leakage. The cylinder thrust on the first stage must not exceed the maximum allowable

Underbody hydraulic cylinder



UNDERBODY CYLINDER FEATURE

rated pressure:220bar	Abrasion resistant even in harsh environments
fast tipping speed	Interchangeable with most underbody cylinders
Superior stop rings and sealing	Easy maintenance
For side or rear tipping	Available in ball and eye version
Can be mounted in nearly any tipper	high lifting force
all stages hard chrome	stroke ranges from 50 to 200cm

Model	Stage	Rated Pressure (mpa)	Max Pressure (mpa)
129-4	3/4/5/6	22	25
149-4	3/4/5/6	22	25
169-4	4/5/6/7	22	25
191-5	4/5/6/7/8	22	25

Customized hydraulic cylinder case



Tractor hydraulic cylinder



Excavator Hydraulic Cylinder



Industrial Hydraulic Cylinders



Bracket hydraulic cylinder



Container lifting hydraulic cylinder



Outrigger hydraulic cylinder

Hydraulic cylinder

WELL QUALITY MANAGEMENT SYSTEM



Trial Operation
Test

Start-up Pressure
Test

Pressure-tight
Test

Leak Test

Full Stroke Test

Buffer Test

Testing the Effect
of Limit

Load Efficiency
Test

Reliability Test

Hydraulic oil tank



- 1. Top mounted valve plate for easy maintenance
- 2. Integral oil level sight glass
- 3. Good anti-corrosion function. with 3 layer painting, strong and light ,scratch resistant
- 4. strict test to guarantee there is no leakage, and no rust, grease, no fault.
- 5. Rational design or OEM according to the requirement of the client.

Hydraulic oil tank

type	volume (L)	size(mm)	material	thickness (mm)	Feature
	80	280*500*600	steel plate Q235	2.0mm	1.equipped with the valve carrier 2. fixed by the strap &rubber 3.oil port is G1 1/2" 4.return oil filter is integrated 5.color: customized
	100	280*700*600		2.0mm	
	120	280*700*670		2.0mm	
	160	280*700*850		2.0mm	
	180-200	340*700*840		2.5mm	
	160	350*550*800	steel plate Q235	2.0mm	
	180-200	300*600*800		2.5mm	
	150	350*750*750	aluminum alloy		
	180	400*700*750			
	200	450*750*750			

Hydraulic Pump



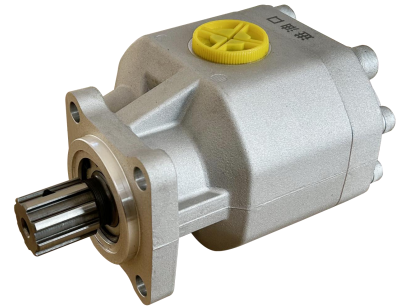
hydraulic piston pump



ISO hydraulic gear
pump



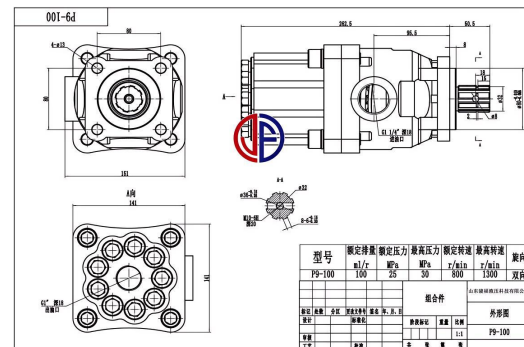
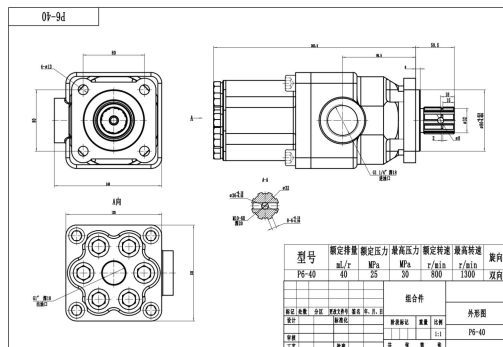
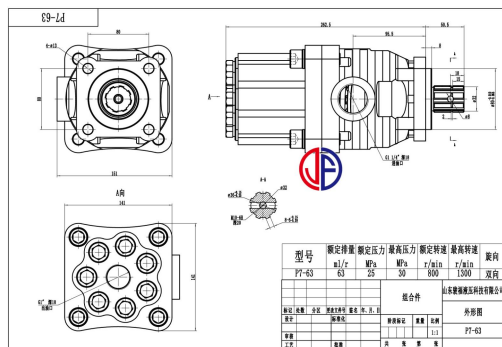
UNI hydraulic gear
pump

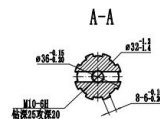
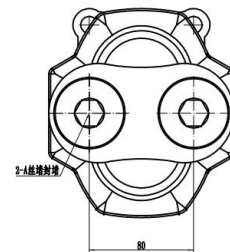
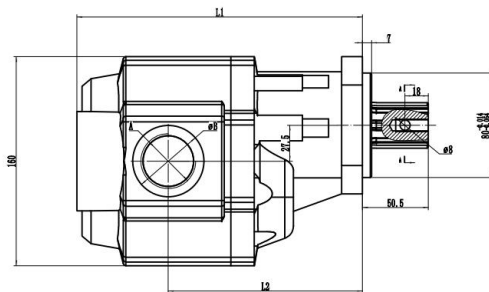
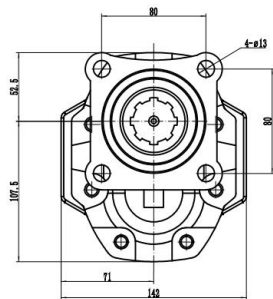


Aluminum alloy
oil pump

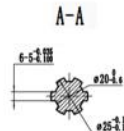
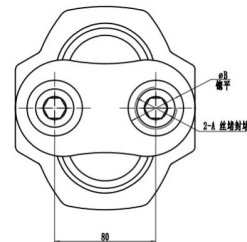
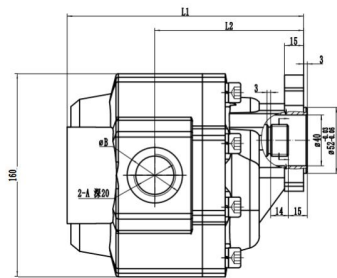
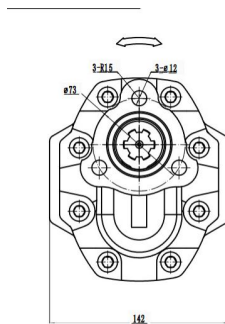


Model	Rated displacement (ml/r)	Rated pressure Mpa	Max pressure (Mpa)	Rated rotation (rpm)	Max rotation speed (rpm)	rotation direction
p9-80	80	25	30	800	1300	bidirectional
p7-63	63	25	30	800	1300	
p6-40	40	25	30	800	1300	





No	part no	flow (ml/r)	rated pressure (MPa)	Max Pressure (MPa)	rated speed (rpm)	max speed (rpm)	volume efficiency	oil port	oil temperature (°C)	weight(kg)
1	JFISO04120	120	20	25	2000	2500	≥92%	G1 1/2"	-40°C to 80°C	20.73
2	JFISO04110	110	20	25	2000	2500		G 1 1/4"		19.6
3	JFISO04100	100	20	25	2000	2500		G 1 1/4"		18.7
4	JFISO0490	90	20	25	2000	2500				18
5	JFISO0480	80	20	25	2000	2500		G 1"		17.3
6	JFISO0460	60	20	25	2000	2500				17
7	JFISO0450	50	20	25	2000	2500		G 3/4"		12.6
8	JFISO0440	40	20	25	2000	2500				12.6

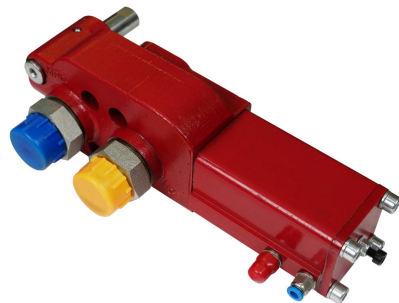


No	part no	flow (ml/r)	rated pressure (MPa)	Max Pressure (MPa)	rated speed (rpm)	max speed (rpm)	volume efficiency	oil port	oil temperature (°C)
1	JFUNI04120	120	20	25	2000	2500	≥92%	G1 1/2"	-40°C to 80°C
2	JFUNI04110	110	20	25	2000	2500		G1 1/2"	
3	JFUNI04100	100	20	25	2000	2500		G1 1/2"	
4	JFUNI0490	90	20	25	2000	2500		G1 1/4"	
5	JFUNI0480	80	20	25	2000	2500		G1 1/4"	
6	JFUNI0460	60	20	25	2000	2500		G1 1/4"	
7	JFUNI0450	50	20	25	2000	2500		G1"	
8	JFUNI0440	40	20	25	2000	2500		G3/4"	

Hydraulic valve



PT-1220-250

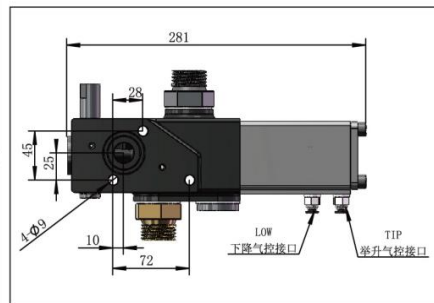
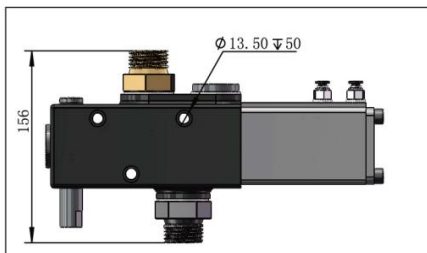
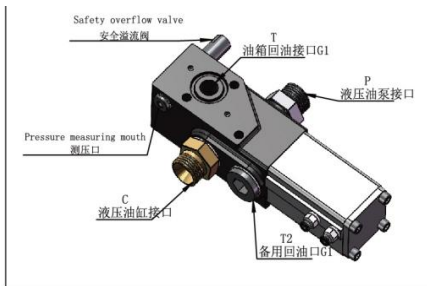


HT-1220-250

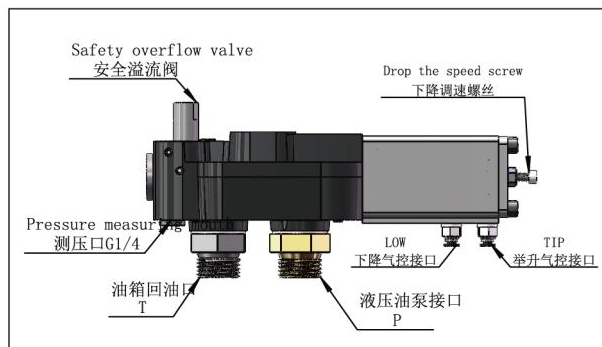
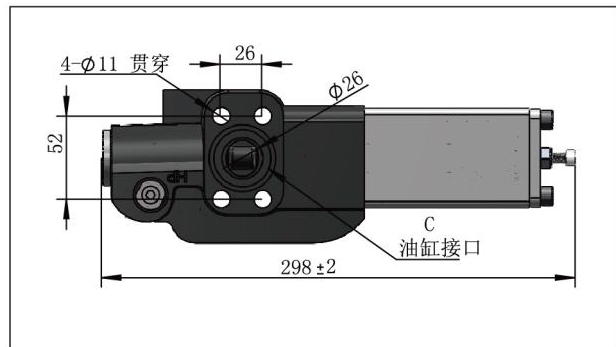


QHY-E80L-A

Hydraulic valve PT-1220-250



Hydraulic valve PT-1220-250



Hydraulic valve QHY-E80L-A



DIRECTIONAL CONTROL VALVE



2P-40



3P-40



4P-40



5P-40

SECTION	1 Section,2 Section,3 Section,4 Section,5 Section,6 Section,7 Section
STRUCTURE TYPE	Monoblock valve
CONTROL METHOD	Manual
RATED FLOW	40 L/min (10.5 US gpm)
MAX PRESSURE	250 bar (3600 psi)
OPERATING VISCOSITY RANGE	15 - 75 mm ² /s (15 cSt to 75 cSt)
AMBIENT TEMPERATURE RANGE	-40°C to +80°C (-40°F to +176°F)

DIRECTIONAL CONTROL VALVE



2P-80



3P-80



4P-80



5P-80

SECTION	1 Section,2 Section,3 Section,4 Section,5 Section,6 Section,7 Section
STRUCTURE TYPE	Monoblock valve
CONTROL METHOD	Manual
RATED FLOW	80 L/min (21.2 US gpm)
MAX PRESSURE	315 bar (4600 psi)
OPERATING VISCOSITY RANGE	15 - 75 mm ² /s (15 cSt to 75 cSt)
AMBIENT TEMPERATURE RANGE	-40°C to +80°C (-40°F to +176°F)

Hydraulic valve

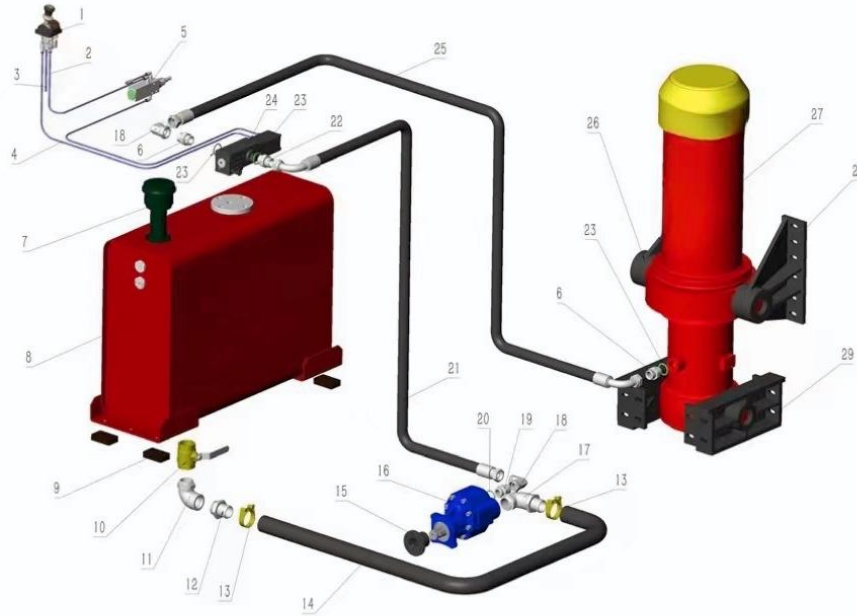


Supported Series:

- 1.FAST SERIES
- 2.SINOTRUCK
- 3.JIEFANG TRUCK
- 4.DONGFENG TRUCK
- 5.ZF TRANSMISSION
- 6.VOLOVE SERIES
- 7.MERCEDES
- 8.OTHER CUSTOMIZED SERIES



HYDRAULIC SOLUTION



NO	CODE	DESCRIPTION	QTY
1	JF0536001	TIP CONTROL BKQF-A	1
2	JF0536002	AIR HOSEΦ6mm(TIPPING)	1
3	JF0536003	AIR HOSEΦ6mm(AIR DISCHARGE)	1
4	JF0536004	AIR HOSEΦ6mm(FALLING)	1
5	JF0536005	KNOCK-OFF VALVE XQF-23	1
6	JF0536006	DIRECT CONNECTOR G1"	2
7	JF0536007	AIR FILTER AF97	1
8	JF0536008	HYDRAULIC OIL TANK 80L	1
9	JF0536009	RUBBER KITS	2
10	JF0536010	BALL VALVE G1-1/2"	1
11	JF0536011	90 DEGREE ELBOW G1-1/2"	1
12	JF0536012	HOSE PILLAR G1-1/2"	1
13	JF0536013	HOSE CLIP PL28	2
14	JF0536014	LOW PRESSURE HYDRAULIC OIL HOSE 1-3/4"*4.5M	1
15	JF0536015	ADAPTOR	1
16	JF0536016	HYDRAULIC PUMP 80L,DIRECTIONAL	1
17	JF0536017	HOSE PILLAR G1-1/4"-G1"	1
18	JF0536018	90 DEGREE CONNECTOR	1
19	JF0536019	DIRECT CONNECTOR G1-1/4"-G2"	1
20	JF0536020	GASKET	1
21	JF0536021	HIGH PRESSURE HYDRAULIC OIL HOSE 1"	1
22	JF0536022	CONNECTOR G1"-G1"	2
23	JF0536023	INTEGRATED RELIEF VALVE	1
24	JF0536024	HYDRAULIC VALVE PT1220-250	1
25	JF0536025	HIGH PRESSURE HYDRAULIC OIL HOSE 1"	1
26	JF0536026	HYDRAULIC CYLINDER	1

Company Introduction



+30 years experience in hydraulic parts production

Junfu is famous brand in front-end cylinders, offering an extensive catalogue from 5 to 100 tons with bespoke solutions. Designed for rear-end tippers and tippers trailers, Junfu brand front-end telescopic cylinders are known for their durability, reliability in all conditions and value for money

Certified quality management system and testing platform make the product durable and stable.

For now we have the certification like CE, SGS, GB, BV, ISO9001 AAA certified.

Customized Hydraulic solution

we can manufacture according to the technical drawing from the client and pack as the request of the client so that we can meet the different requirement. For now we have export more than 15 countries like Guinea, USA etc winning the trust and praise.

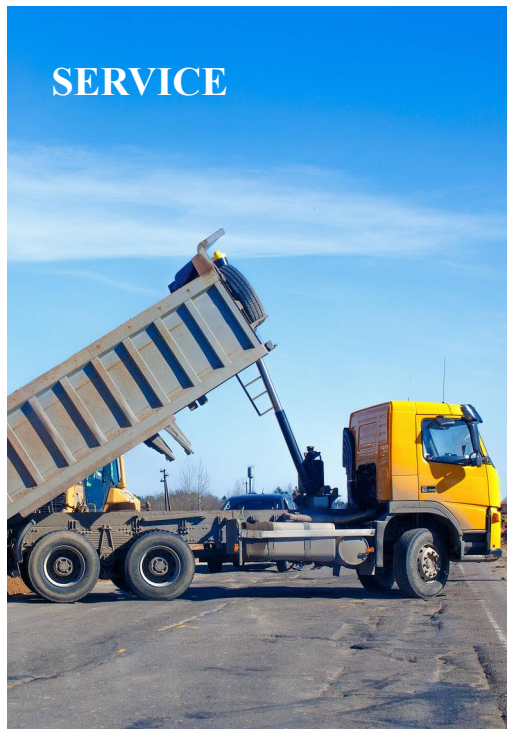
Company Introduction



Our client



Our Service



Full set hydraulic system for tipper can be designed and offered



OEM is available, Full set management system to control



Technical drawing communication and choose the most appropriate solution

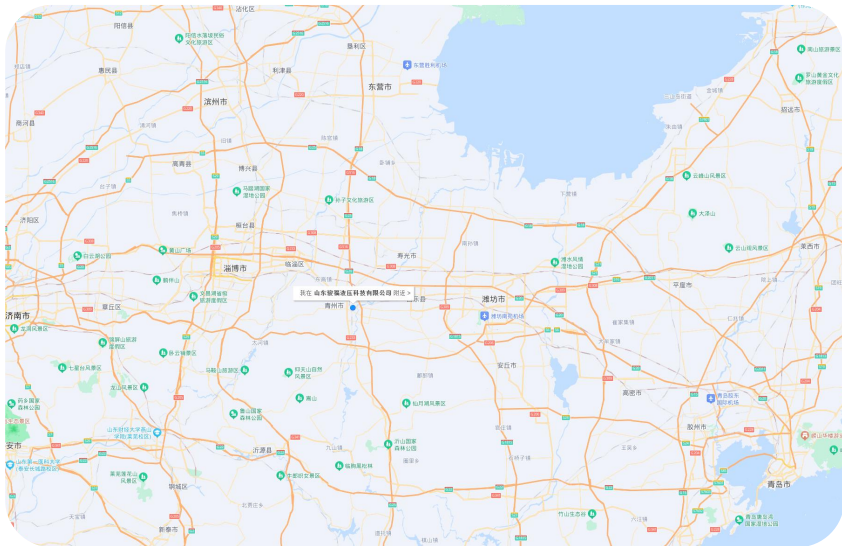


Timely delivery as agreed



1 year warranty and excellent after-sale service for whole life

Company Introduction



Shandong Junfu Hydraulic Technology Co., Ltd.

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- Tel: +86 15288811862
- Postcode: 262500

**Welcome to Visit our Factory and expect to be
your long term partner**