



创为环境
-Chuangwei Environment-



Focus on High-pressure Axial Piston Pump and Energy Recovery Devices Innovation and Development

About Us



Shenzhen Chuangwei Environmental Technology Co., Ltd was established in 2019, belonging to Shanghai Fengji Hardware Mold Co., Ltd. It is responsible for the sales and services of high-pressure piston pumps and Energy Recovery Devices as well as product technical support.

Shanghai Fengji Hardware Mold Co., Ltd has been committing to the development and production of high-pressure Piston Pump and Energy Recovery Devices over 20 years. It has completed the localization of high-pressure Piston Pump and ERDs. Our technical level and production scale have been among the forefront of the industry.

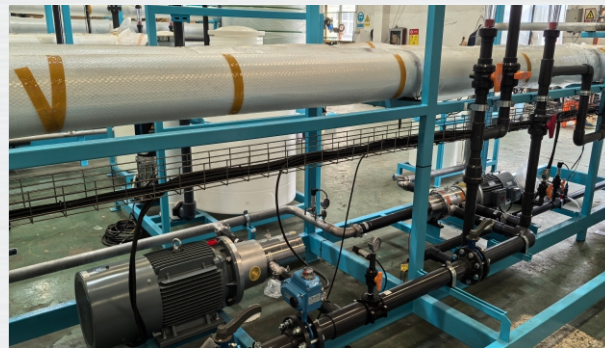
We always follow the tenet of “quality first, integrity-based, customer satisfaction” and continuously enhance our core competitive advantages, committing to developing production and sales service systems to provide customers with efficient solutions.



Gallery



Landfill Leachate ZLD(DHP8.2 60Bar)



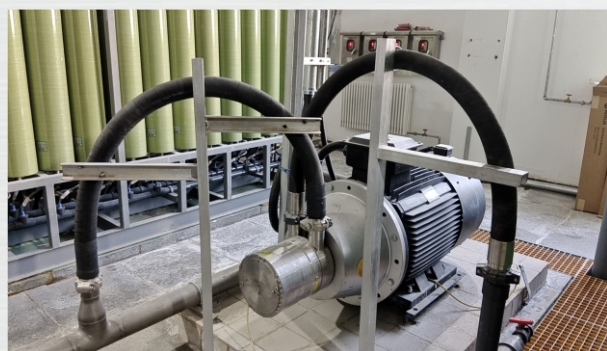
**350t/d Seawater Desalination(DHP15
60Bar+HEX(S)-20/60-3)**



100t/d Seawater Desalination(DHP11 60Bar)



**500t/d Seawater Desalination(DHP22 60Bar +
HEX(S) -40/60-3)**



Coal Chemical Wastewater ZLD (DHP-H21, 100Bar)



**High Voltage Energy Test System(DHP8.2
60Bar + HEX(S)-70/60-3)**

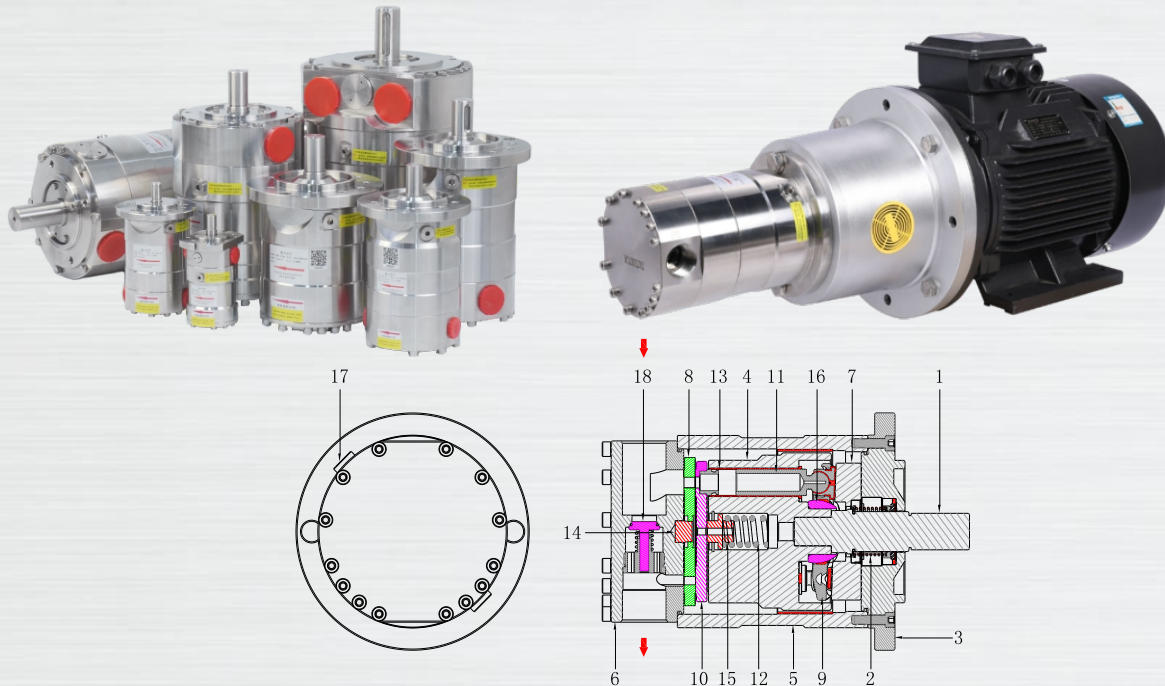
DHP High-pressure Axial Piston Pump



DHP Type	Rated Rotation Speed	Rated Flow Rate	Pressure @ Rated Flow Rate			Rotation Speed Range
	rpm	m³/h	60Bar	70Bar	80Bar	rpm
DHP0.6	3000	0.6	1.5kW	1.5kW	2.2kW	700~3450
DHP0.8	3000	0.81	2.2kW	2.2kW	3kW	700~3450
DHP1.0	3000	0.92	2.2kW	3kW	3kW	700~3450
DHP1.7	3000	1.7	4kW	5.5kW	5.5kW	700~3450
DHP2.1	3000	2.1	5.5kW	5.5kW	7.5kW	700~3450
DHP2.7	3000	2.7	7.5kW	7.5kW	11kW	700~3450
DHP3.0	3000	3.0	7.5kW	7.5kW	11kW	700~3450
DHP3.5	1650	3.5	7.5kW	11kW	11kW	700~1650
DHP4.0	1800	4.0	11kW	11kW	15kW	700~1800
DHP4.5	1500	4.5	11kW	15kW	15kW	700~1500
DHP5.3	1500	5.3	11kW	15kW	15kW	700~1500
DHP6.3	1500	6.3	15kW	15kW	18.5kW	700~1500
DHP7.2	1500	7.2	15kW	18.5kW	22kW	700~1500
DHP8.2	1780	10	22kW	30kW	30kW	700~1780
DHP11	1500	11	22kW	30kW	30kW	700~1500
DHP13.5	1500	13.5	30kW	37kW	37kW	700~1500
DHP15	1500	15	37kW	37kW	45kW	700~1500
DHP16	1500	15.8	37kW	45kW	45kW	700~1500
DHP17	1500	16.9	37kW	45kW	55kW	700~1500
DHP19	1500	18.8	45kW	45kW	55kW	700~1500
DHP22	1500	21.8	45kW	55kW	75kW	700~1500
DHP24	1500	24.5	55kW	75kW	75kW	700~1500
DHP26	1500	26.7	55kW	75kW	75kW	700~1500
DHP30	1500	31.6	75kW	75kW	90kW	700~1500
DHP38	1500	39.3	90kW	110kW	110kW	700~1500
DHP46	1780	46.4	110kW	110kW	---	700~1780

DHP-H Series	Rated Rotation Speed rpm	Rated Flow Rate m³/h	Rotation Speed Range rpm	Continuous Outlet Maximum pressure Bar	Rated Flow Rate @ Power kW
DHP-H15	1000	15	500~1000	120	75
DHP-H21	1000	21	500~1000	120	90
DHP-H24	1200	24	500~1200	120	110
DHP-H30	1200	30	500~1200	110	110

DHP Features



1.Shaft 2.Shaft Seal 3.Mounting Flange 4.Cylinder Drum 5.Housing 6.Port Flange 7.Swash Plate 8. Port Plate 9.Retainer Plate
10.Valve Plate 11.Piston 12.Spring 13.Piston Bush 14.Port Plate Pin 15.Spring Pin 16.Retainer Ball 17.Exhaust Plug 18.Flushing Valve

01

High Efficiency

Small Volume, Light Weight, Higher Efficiency compared with pumps with same flow rate and at same pressure

02

High Pressure

DHP can continuously work under pressure up to 8Mpa, while DHP-H up to 12Mpa.

03

Long Service life

Product material Duplex 2205, Super Duplex 2507 and Peek. DLC coating.

04

Easy to use

Direct motor connection, **no accumulator required**, small pulse, low noise

05

Free Maintenance

Using **medium water lubrication**, environmental friendly

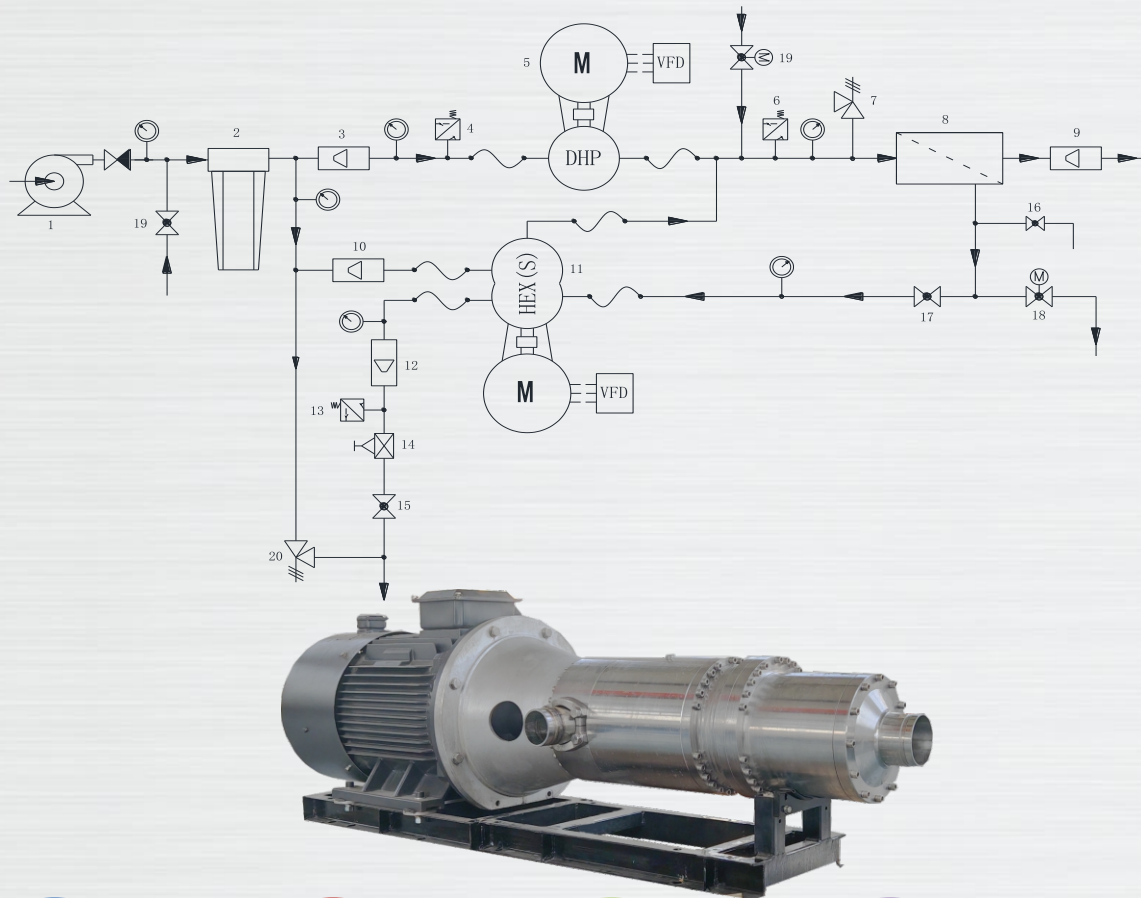
Hex(S)/Hex Energy Recovery Devices



Hex(S) Type	HEX(S)-20/60-3	HEX(S)-40/60-3	HEX(S)-70/60-3
Rated Flow Rate	21m³/h	40m³/h	70m³/h
Geometric Displacement	274ml/rpm	523ml/rpm	915ml/rpm
HP Max. Inlet Flow	21m³/h	40m³/h	70m³/h
HP Max. Inlet Pressure	80Bar	80Bar	80Bar
HP Min. Inlet Pressure	10Bar	10Bar	10Bar
LP Inlet Max. Flow	33m³/h	65m³/h	110m³/h
LP Inlet Max. Pressure	10Bar	10Bar	10Bar
LP Outlet Min. Pressure	1Bar	1Bar	1Bar
HP Max. Outlet Pressure	80Bar	80Bar	80Bar
Min. speed	500rpm	500rpm	500rpm
Max. speed	1500rpm	1200rpm	900rpm
Booster	30/50m	30/50m	30m
Power	5.5kW/7.5kW	15kW/18.5kW	22kW/30kW

Hex Type	HEX-20/60-3	HEX-40/60-3	HEX-70/60-3
Rated Flow Rate	21m³/h	40m³/h	70m³/h
Geometric Displacement	274ml/rpm	523ml/rpm	915ml/rpm
HP Max. Inlet Flow	21m³/h	40m³/h	70m³/h
HP Max. Inlet Pressure	80Bar	80Bar	80Bar
HP Min. Inlet Pressure	10Bar	10Bar	10Bar
LP Inlet Max. Flow	33m³/h	65m³/h	110m³/h
LP Inlet Max. Pressure	10Bar	10Bar	10Bar
LP Outlet Min. Pressure	1Bar	1Bar	1Bar
HP Max. Outlet Pressure	80Bar	80Bar	80Bar
Min. speed	500rpm	500rpm	500rpm
Max. speed	1500rpm	1200rpm	900rpm
Power	2.2kW	2.2kW	3.0kW

Hex(S) Hex ERDs Features



01

Compact Structure

The smallest and lightest energy recovery booster pump on the market

02

Cost-Effective

Extremely high efficiency, energy saving and low operating cost

03

Long Service life

Small pulse and low noise; Product material Duplex 2205, Super Duplex 2507 and Peek.

04

Easy to Install

Few parts; No need to configure a high-pressure flow meter

05

Easy Maintenance

Easy modular maintenance and repair; No risk of overspeed and overcurrent



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