

微型液压元件

MICRO HYDRAULIC COMPONENT



科技 改变能源 TECHNOLOGY CHANGES ENERGY

Heli Tech Energy Co., Ltd. is Technology Enterprise focusing on solving clients' pain points. Its business covers: R&D and Experiments, Precision Core Component R&D and Manufacture, Intelligent Downhole Tool R&D and Manufacture, Smart Equipment R&D and Manufacture, Geo-Engineering IPM.

Heli Tech Energy Co., Ltd. is a scientific and technological oil service enterprise focusing on technology research and development and application in the field of oil and gas development, undertaking national key R&D projects, and is a national "Specialized Precision and Characteristic" Small Giant Enterprise, national key Small Giant Enterprise, national science and technology enterprise, national hi-tech enterprise, and a leading enterprise of strategic emerging industries in Tianjin, Tianjin Gazelle Enterprise, Tianjin Specialized and Specialized New Enterprises, Vice Chairman of Tianjin Offshore Industry Union, China Scientist Forum Science and Technology Innovation Demonstration Unit, National High-end Downhole Tool Technology Center.

This is a R&D platform created by HELI in order to improve the comprehensive R&D level in conjunction with universities. The laboratory is equipped with 59 large and medium-sized instruments and equipment with a total value of about 100 million RMB.

The R&D team consists of senior experts, technical experts, with technical fields covering mechanical, electrical, intelligent control, communication, Internet of Things and other disciplines.



Heli Energy has extensive experience in industry cooperation The marketing system is spread all over the world

HELI TECHNOLOGY





















Application scenario



Oil drilling



Aerospace



Ocean underwater equipment



Robot



Medical device



Hydraulic tool

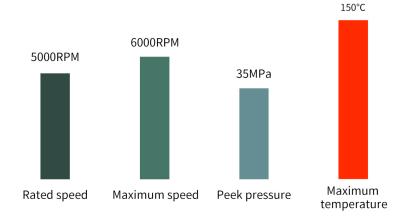
Micro axial piston fixed displacement pumps HPFO-16-12-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Detailed Data

Outside diameter	16mm
Length	69mm
Displacement	0.012cm ³ /r
Weight	100g
Rated pressure	30MPa

Micro axial piston fixed displacement pumps HPFO-20-12-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Outside diameter	20mm
Length	66mm
Displacement	0.012cm ³ /r
Weight	128g
Rated pressure	30MPa

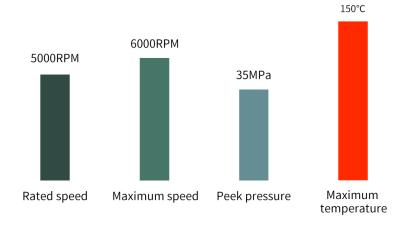
Micro axial piston fixed displacement pumps HPFO-30-12-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Detailed Data

Outside diameter	30mm
Length	82.5mm
Displacement	0.012cm ³ /r
Weight	312g
Rated pressure	30MPa

Micro axial piston fixed displacement pumps HPFO-30-16-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Outside diameter	30mm
Length	82.5mm
Displacement	0.016cm ³ /r
Weight	312g
Rated pressure	30MPa

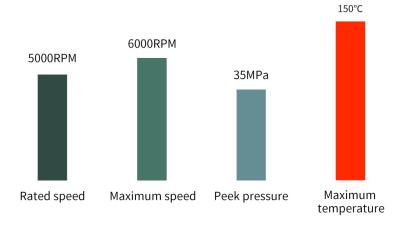
Micro axial piston fixed displacement pumps HPFO-30-45-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Detailed Data

Outside diameter	30mm
Length	81.9mm
Displacement	0.045cm ³ /r
Weight	500g
Rated pressure	30MPa

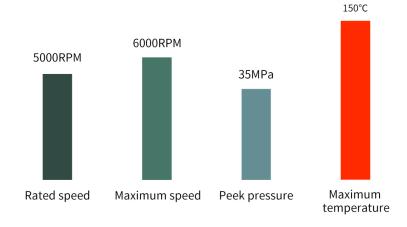
Micro axial piston fixed displacement pumps HPFO-43-500-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Outside diameter	43mm
Length	72mm
Displacement	0.5cm ³ /r
Weight	128g
Rated pressure	30MPa

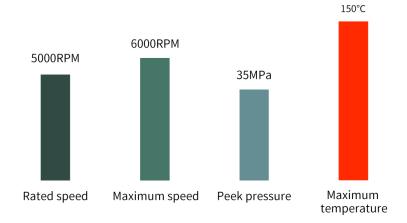
Micro axial piston fixed displacement pumps HPFO-50-100-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Detailed Data

Outside diameter	50mm
Length	95mm
Displacement	0.012cm ³ /r
Weight	100g
Rated pressure	30MPa

Micro axial piston fixed displacement pumps HPFO-50-300-300V01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Outside diameter	50mm
Length	95mm
Displacement	0.045cm ³ /r
Weight	100g
Rated pressure	30MPa

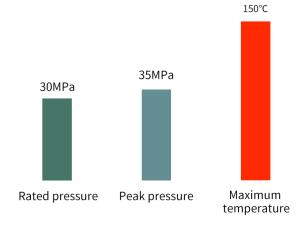
Micro relief valve HVRE-7.1-317-01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Detailed Data

Length	27mm
Weight	5g
Outside diameter	7.1mm
Flow rate	1L/min

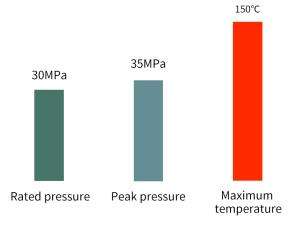
Micro relief valve HVRE-7.8-317-01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Length	29.2mm
Weight	5g
Outside diameter	7.8mm
Flow rate	1L/min

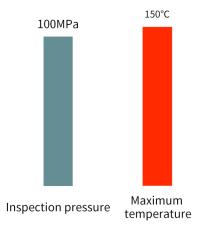
Micro hydraulic plug HVPL-7.1-110-01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Detailed Data

Outside diameter	7.1mm
Length	9mm
Weight	2g

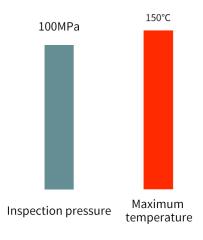
Micro hydraulic plug HVPL-7-110-01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



Outside diameter	7mm
Length	11.3mm
Weight	2g

150°C

150°C

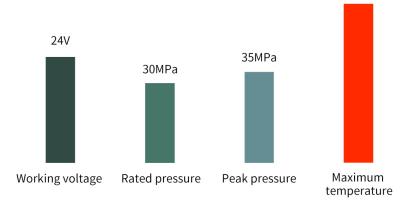
Micro three-position four-way solenoid directional control valve HVDC-14-300-01

High temperature and high pressure resistance, small volume



Application scenario

Intelligent downholetools for petroleum



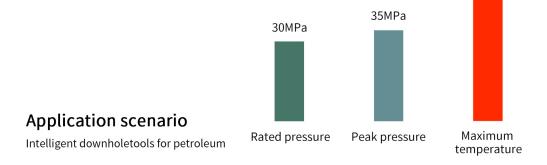
Detailed Data

Outside diameter	14mm
Length	95mm
Flow rate	1L/min
Weight	100g
Center type	J, H
Median Leakage rate(Under30MPa)	2mL/min

Micro hydraulic power unit HPU-122X90-300V01

High temperature and high pressure resistance, small volume



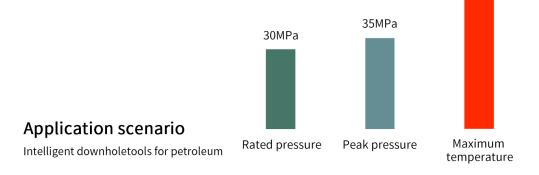


Outside diameter	R62.5mmxR44mm
Length	238.5mm
Theoretical flow rate	0.06L/min
Weight	900g

Micro hydraulic power unit HPU-55X71-300V01

High temperature and high pressure resistance, small volume



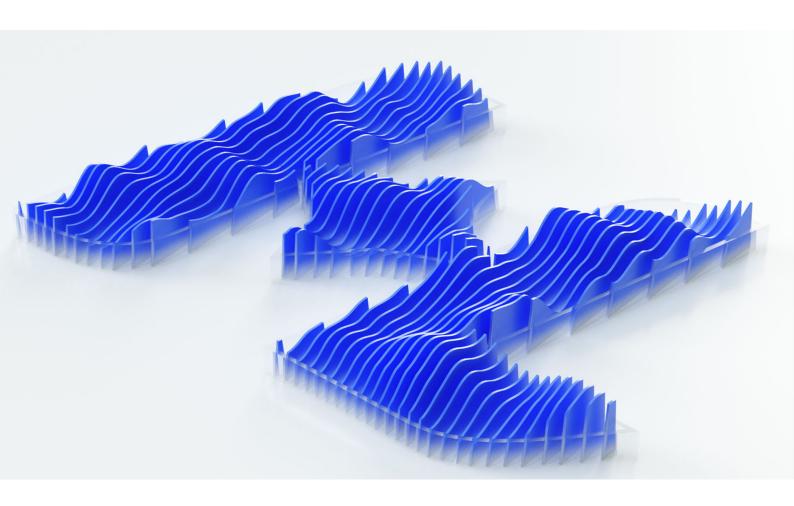


150°C

Outside diameter	51mmx55mm
Length	228.5mm
Theoretical flow rate	0.06L/min
Weight	900g



TECHNOLOGY CHANGES EVERTHING



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