



blue
ascend
hydraulics



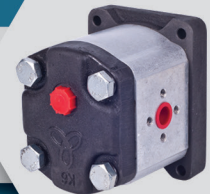
ALUMINIUM BODY EXTERNAL GEAR PUMPS



ALUMINIUM BODY HELICAL EXTERNAL GEAR PUMPS



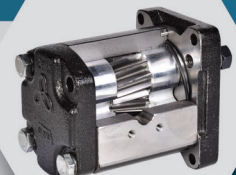
ALUMINIUM BODY GEAR FLOW DIVIDERS



ALUMINIUM BODY EXTERNAL GEAR MOTORS



CAST IRON BODY EXTERNAL GEAR PUMPS



CAST IRON BODY HELICAL EXTERNAL GEAR PUMPS



CAST IRON BODY EXTERNAL GEAR MOTORS

Blue Ascend Hydraulics started its investments in 2007 on totally 91.000 m² land area and makes serial production since April, 2012. 165,000 products per year can be produced with the established capacity of the facility which is constructed to have annually 1.500.000 products in 15 years. Blue Ascend Hydraulics aims to export %80 of the total production and mainly cooperates with Europe and Middle East countries. In every country Blue Ascend operates, Blue Ascend serves fast, flexible and high quality products to OEM and After Market customers.

Blue Ascend Hydraulics produces;

Aluminum body gear pumps and gear motors for agricultural machines, tractors, industrial machines and mobile applications, aluminum and cast iron body helical gear pumps for where high pressure and silence needed, and gear flow dividers for hydraulic circuits, and cast iron body gear pumps PTO compatible for vehicle mounted hydraulics, with functional cover types, shafts and applicable to international standard connectors.

Product Range:

- AP10 Aluminum Body External Gear Pumps
- AFD10 Aluminum Body Gear Flow Dividers
- AP20 Aluminum Body External Gear Pumps
- APH20 Aluminum Body Helical Gear Pumps
- APM20 Aluminum Body External Gear Motors
- AFD20 Aluminum Body Gear Flow Dividers
- AP30 Aluminum Body External Gear Pumps
- APH30 Aluminum Body Helical Gear Pumps
- APM30 Aluminum Body External Gear Motors
- AFD30 Aluminum Body Gear Flow Dividers
- DKP20 Cast Iron Body External Gear Pumps
- DPH20 Cast Iron Body Helical Gear Pumps
- DKP30 Cast Iron Body External Gear Pumps
- DPH30 Cast Iron Body Helical Gear Pumps
- GP30 Cast Iron Body External Gear Pumps
- GPR30 Cast Iron Body External Gear Pumps
- GPM30 Cast Iron Body External Gear Motors
- GP40 Cast Iron Body External Gear Pumps
- GPR40 Cast Iron Body External Gear Pumps
- GPM40 Cast Iron Body External Gear Motors

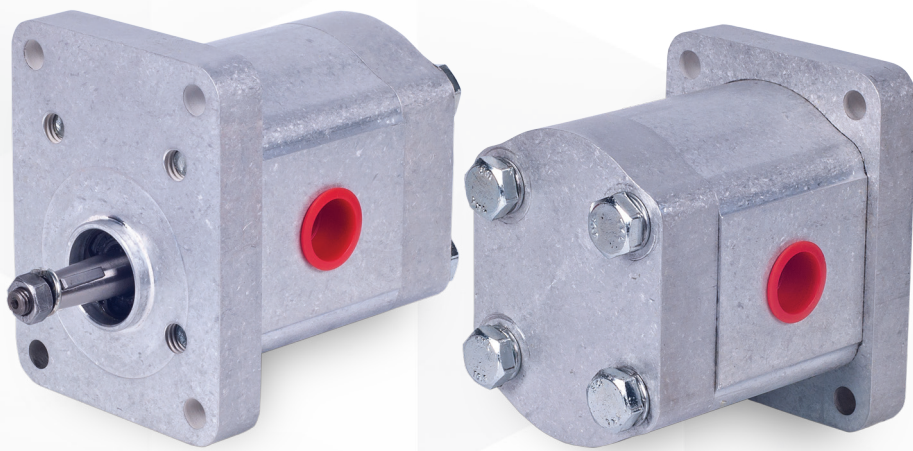
Blue Ascend Hydraulics built into a dynamic and innovative culture, uses ISO 9001 Quality Management System, ISO 14001 Environmental Management System and 18001 OHSAS Occupational Health and Safety Management System as integrated from the beginning of the establishment, for professional harmony with the workers, suppliers and customers.

Blue Ascend's mission statement is to provide high quality products beyond customers' expectations, with having happy workers, using advanced technology, improving quality system continuously and protecting the nature.





AP10

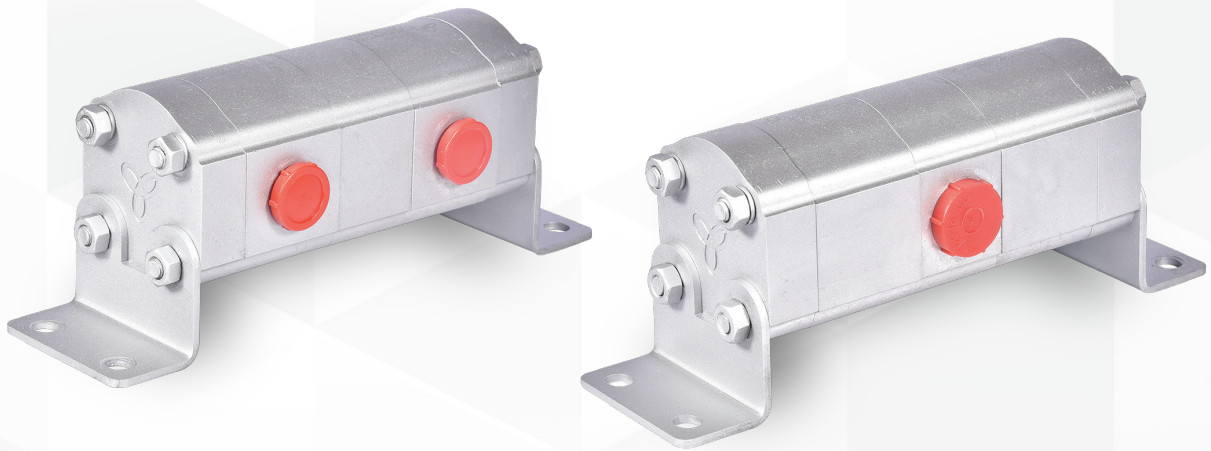


| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| AP10.012 | 1,2 | 220 | 4000 | 650 |
| AP10.017 | 1,7 | | | |
| AP10.023 | 2,3 | | | |
| AP10.027 | 2,7 | | | |
| AP10.032 | 3,2 | | 3500 | |
| AP10.038 | 3,8 | | | |
| AP10.043 | 4,3 | | | |
| AP10.050 | 5,0 | | | |
| AP10.063 | 6,3 | 210 | | |
| AP10.078 | 7,8 | | | |
| AP10.095 | 9,5 | | 200 | |

ALUMINIUM BODY GEAR FLOW DIVIDERS

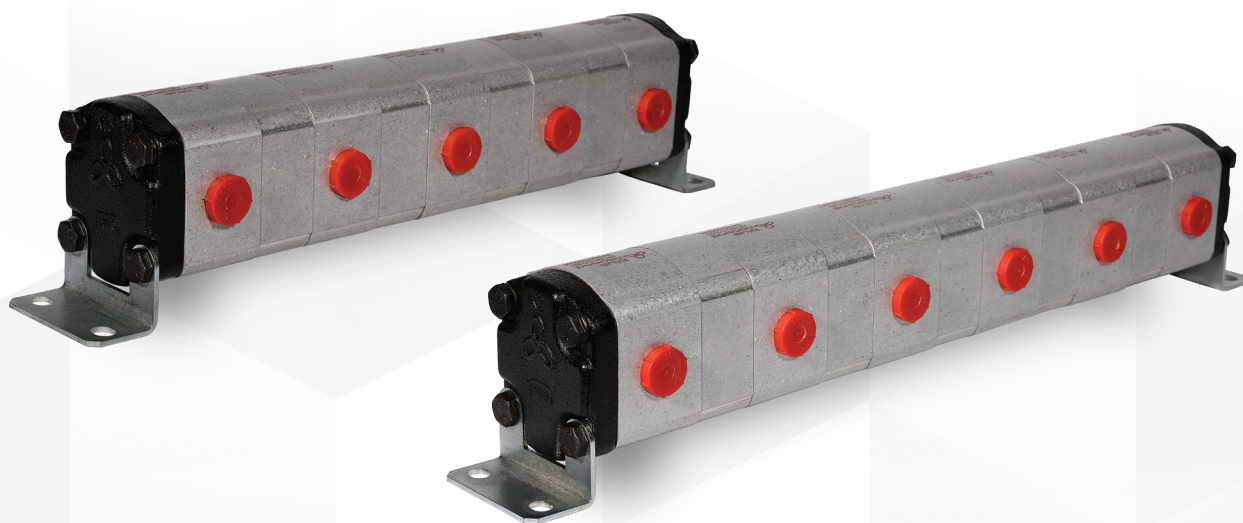


AFD10



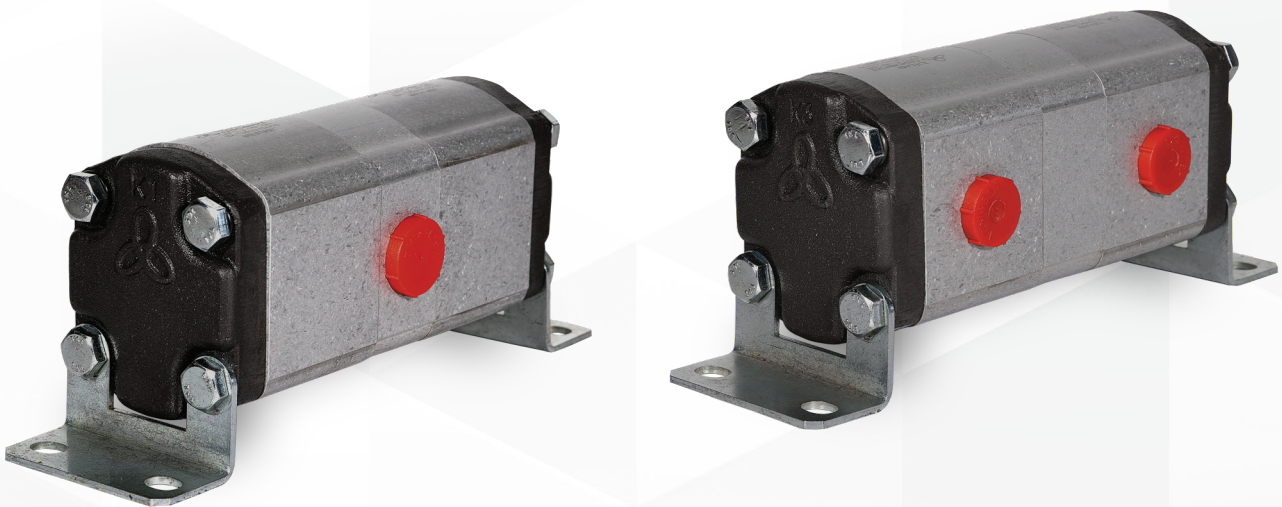
| Flow Divider Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | | ΔP (bar) | Max. Speed (rpm) | Min. Speed (rpm) | Min. Flow Rate (l/min) | Max. Flow Rate (l/min) |
|-------------------|--|------------------------|-----|---------------------|---------------------|---------------------|---------------------------|---------------------------|
| | | P1 | P2 | | | | | |
| AFD10.012 | 1,2 | 220 | 280 | 40 | 3500 | 1200 | 1,5 | 4,2 |
| AFD10.017 | 1,7 | | | | | | 2,0 | 6,0 |
| AFD10.023 | 2,3 | | | | | | 2,8 | 8,0 |
| AFD10.027 | 2,7 | | | | | | 3,2 | 9,5 |
| AFD10.032 | 3,2 | | | | 3,8 | | 10,8 | |
| AFD10.038 | 3,8 | | | | 4,6 | | 11,4 | |
| AFD10.043 | 4,3 | | | | 5,2 | | 12,9 | |
| AFD10.050 | 5,0 | | | | 6,0 | | 15,0 | |
| AFD10.063 | 6,3 | 210 | 260 | 3000 | | | 7,6 | 18,9 |
| AFD10.078 | 7,8 | | | | | | 9,4 | 23,4 |
| AFD10.095 | 9,5 | | | | | | 200 | 240 |

AFD20



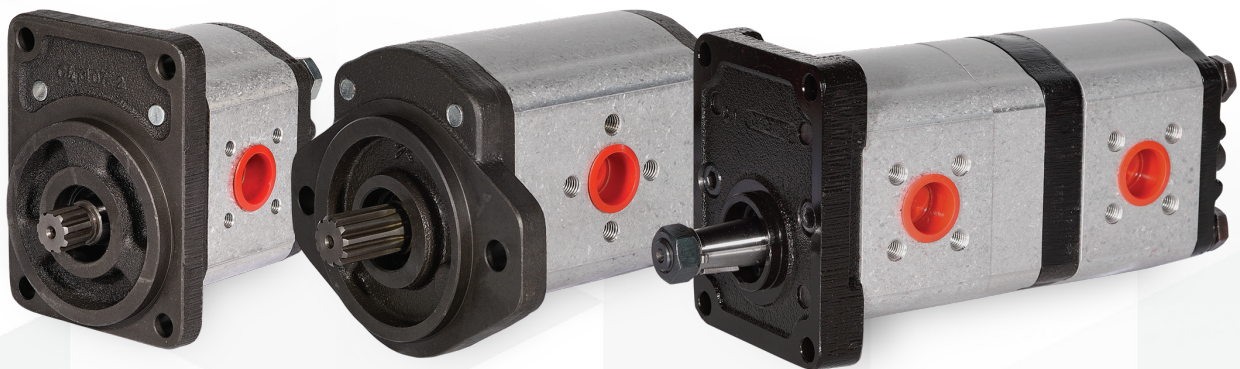
| Flow Divider Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | | ΔP (bar) | Max. Speed (rpm) | Min. Speed (rpm) | Min. Flow Rate (l/min) | Max. Flow Rate (l/min) |
|-------------------|--|------------------------|-----|---------------------|---------------------|---------------------|---------------------------|---------------------------|
| | | P1 | P2 | | | | | |
| AFD20.040 | 3,9 | 250 | 280 | 50 | 3000 | 1250 | 4,8 | 11,2 |
| AFD20.060 | 5,9 | | | | | | 7,3 | 16,8 |
| AFD20.080 | 8,0 | | | | | | 10,0 | 22,8 |
| AFD20.095 | 9,4 | | | | | | 11,2 | 24,6 |
| AFD20.115 | 11,4 | 230 | 260 | 40 | 2750 | 1200 | 13,8 | 29,8 |
| AFD20.140 | 13,9 | | | | | | 16,6 | 36,3 |
| AFD20.160 | 16,0 | | | | | | 19,2 | 38,0 |
| AFD20.190 | 19,2 | 210 | 240 | 30 | 2500 | 1100 | 22,0 | 46,0 |
| AFD20.220 | 21,9 | 190 | 220 | | | | 25,2 | 47,8 |
| AFD20.250 | 24,8 | 170 | 200 | | | | 27,3 | 49,6 |
| AFD20.280 | 27,9 | 160 | 190 | | | | 32,0 | 54,7 |

AFD30



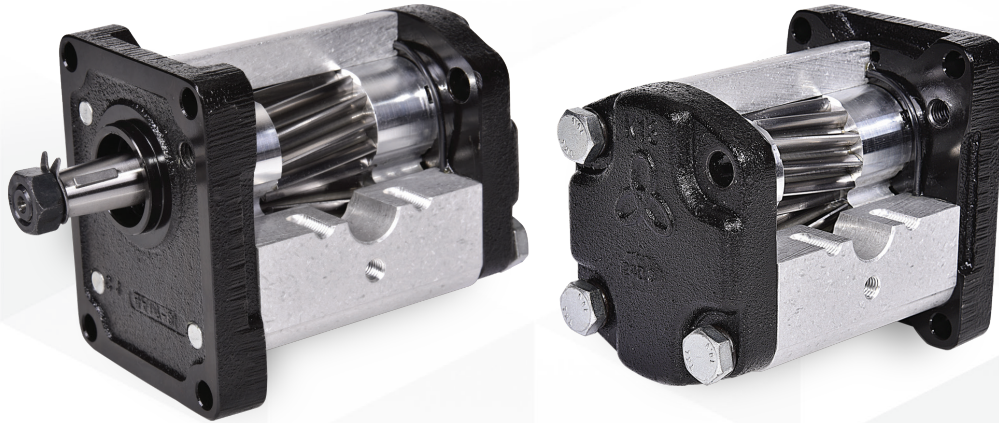
| Flow Divider Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | | ΔP (bar) | Max. Speed (rpm) | Min. Speed (rpm) | Min. Flow Rate (l/min) | Max. Flow Rate (l/min) |
|-------------------|--|------------------------|-----|---------------------|---------------------|---------------------|---------------------------|---------------------------|
| | | P1 | P2 | | | | | |
| AFD30.170 | 17,0 | 250 | 280 | 50 | 3000 | 1250 | 21,5 | 51,6 |
| AFD30.220 | 22,0 | | | | | | 27,4 | 65,7 |
| AFD30.270 | 27,0 | | | | | | 33,9 | 81,3 |
| AFD30.340 | 34,0 | 240 | 260 | 40 | 2750 | 1200 | 41,3 | 94,6 |
| AFD30.380 | 38,0 | | | | | | 45,6 | 104,5 |
| AFD30.430 | 43,0 | 230 | 260 | 40 | 2500 | 1100 | 51,5 | 118,0 |
| AFD30.470 | 47,0 | 220 | | | | | 56,8 | 118,3 |
| AFD30.510 | 51,0 | 210 | 240 | 30 | 2000 | 1000 | 56,3 | 128,0 |
| AFD30.560 | 56,0 | 200 | 220 | | | | 61,6 | 112,0 |
| AFD30.610 | 61,0 | 190 | 210 | | | | 66,8 | 121,4 |
| AFD30.730 | 73,0 | 170 | 190 | 30 | 1500 | 1000 | 73,0 | 109,5 |
| AFD30.820 | 82,0 | 160 | 180 | | | | 81,4 | 122,1 |
| AFD30.900 | 90,0 | 150 | 170 | | | | 90,0 | 135,0 |
| AFD30.1000 | 100,0 | 140 | 160 | | | | 99,7 | 149,6 |

AP20



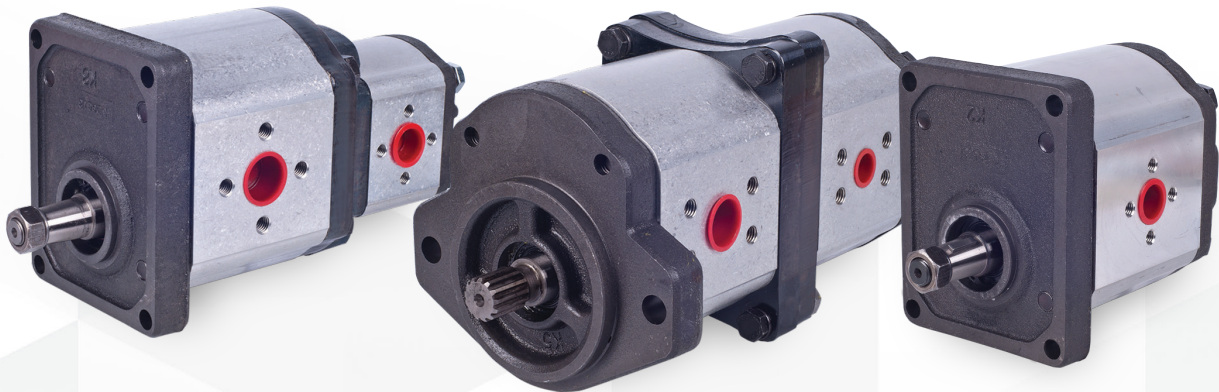
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| AP20.040 | 3,9 | 250 | 3500 | 650 |
| AP20.060 | 5,9 | | | |
| AP20.080 | 8,0 | | | |
| AP20.095 | 9,4 | | | |
| AP20.115 | 11,4 | | 3000 | 600 |
| AP20.140 | 13,9 | | | |
| AP20.148 | 14,8 | | | |
| AP20.160 | 16,0 | | | |
| AP20.190 | 19,2 | 250 | 2500 | |
| AP20.220 | 21,9 | | | |
| AP20.250 | 24,8 | | | |
| AP20.280 | 27,9 | | | |
| AP20.320 | 32,0 | 160 | 2000 | 500 |
| AP20.340 | 34,0 | | | |
| AP20.380 | 38,0 | | | |
| AP20.400 | 40,0 | | | |
| | | 130 | 1750 | |

APH20



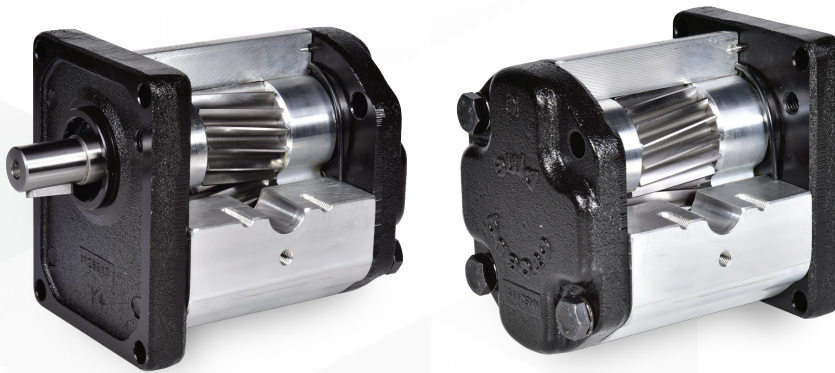
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| APH20.040 | 4,0 | 250 | 3500 | 650 |
| APH20.060 | 6,0 | | | |
| APH20.080 | 8,0 | | | |
| APH20.095 | 9,5 | | | |
| APH20.115 | 11,5 | | 3000 | 600 |
| APH20.140 | 14,0 | | | |
| APH20.148 | 14,8 | | | |
| APH20.160 | 16,0 | | | |
| APH20.190 | 19,0 | 2500 | | |
| APH20.220 | 22,0 | | | |
| APH20.250 | 25,0 | | | |
| APH20.280 | 28,0 | | | |
| APH20.320 | 32,0 | 160 | 2000 | 500 |
| APH20.340 | 34,0 | | | |
| APH20.380 | 38,0 | 140 | | |
| APH20.400 | 40,0 | | | |
| | | 130 | 1750 | |

AP30



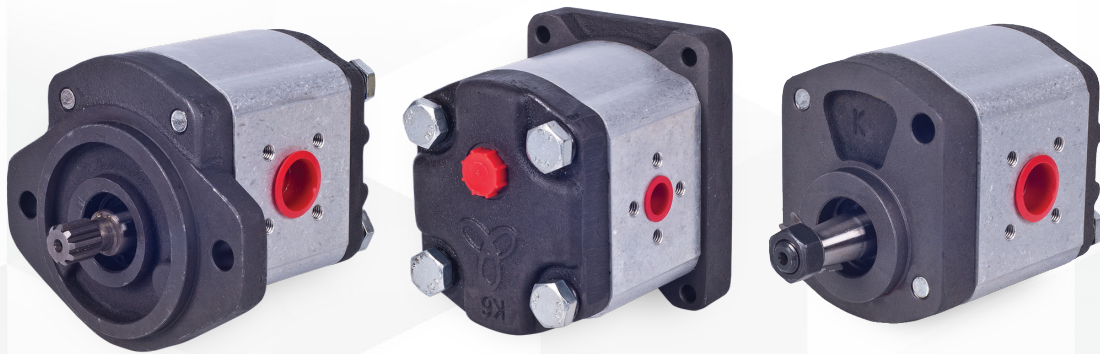
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| AP30.190 | 19,0 | 230 | 3000 | 500 |
| AP30.220 | 22,0 | | | |
| AP30.250 | 25,0 | | | |
| AP30.280 | 28,0 | | | |
| AP30.320 | 32,0 | 210 | 2750 | |
| AP30.350 | 35,0 | | | |
| AP30.380 | 38,0 | | | |
| AP30.420 | 42,0 | | | |
| AP30.450 | 45,0 | 200 | 2500 | |
| AP30.510 | 51,0 | | | |
| AP30.560 | 56,0 | | | |
| AP30.610 | 61,0 | 180 | 2000 | 400 |
| AP30.730 | 73,0 | | | |
| AP30.820 | 82,0 | 170 | 2500 | |
| AP30.900 | 90,0 | | | |
| AP30.1000 | 100,0 | 160 | 2000 | |
| | | | | |
| | | 150 | | |
| | | 140 | | |

APH30



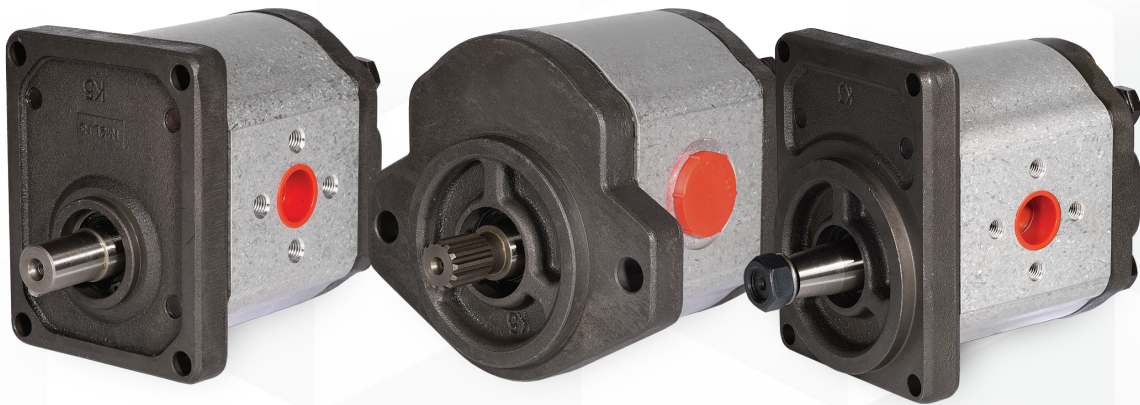
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| APH30.190 | 19,0 | 230 | 3000 | 500 |
| APH30.220 | 22,0 | | | |
| APH30.250 | 25,0 | | | |
| APH30.280 | 28,0 | | | |
| APH30.320 | 32,0 | 210 | 2750 | |
| APH30.350 | 35,0 | | | |
| APH30.380 | 38,0 | | | |
| APH30.420 | 42,0 | | | |
| APH30.450 | 45,0 | 200 | 2500 | |
| APH30.510 | 51,0 | | 2250 | |
| APH30.560 | 56,0 | | 2000 | |
| APH30.610 | 61,0 | 180 | 2500 | 400 |
| APH30.730 | 73,0 | | | |
| APH30.820 | 82,0 | 160 | 2000 | |
| APH30.900 | 90,0 | 150 | | |
| APH30.1000 | 100,0 | 140 | | |

APM20



| Motor Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| APM20.040 | 3,9 | 250 | 3500 | 650 |
| APM20.060 | 5,9 | | | |
| APM20.080 | 8,0 | | | |
| APM20.095 | 9,4 | | | |
| APM20.115 | 11,4 | | 3000 | 600 |
| APM20.140 | 13,9 | | | |
| APM20.148 | 14,8 | | | |
| APM20.160 | 16,0 | | | |
| APM20.190 | 19,2 | 250 | 2500 | |
| APM20.220 | 21,9 | | | |
| APM20.250 | 24,8 | | | |
| APM20.280 | 27,9 | | | |
| APM20.320 | 32,0 | 160 | 2000 | 500 |
| APM20.340 | 34,0 | 150 | | |
| APM20.380 | 38,0 | 140 | 1750 | |
| APM20.400 | 40,0 | 130 | | |

APM30



| Motor Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| APM30.190 | 19,0 | 230 | 3000 | 500 |
| APM30.220 | 22,0 | | | |
| APM30.250 | 25,0 | | | |
| APM30.280 | 28,0 | | | |
| APM30.320 | 32,0 | 210 | 2750 | |
| APM30.350 | 35,0 | | | |
| APM30.380 | 38,0 | | | |
| APM30.420 | 42,0 | | | |
| APM30.450 | 45,0 | 200 | 2500 | |
| APM30.510 | 51,0 | | | |
| APM30.560 | 56,0 | | | |
| APM30.610 | 61,0 | 180 | 2000 | 400 |
| APM30.730 | 73,0 | | | |
| APM30.820 | 82,0 | 170 | 2500 | |
| APM30.900 | 90,0 | | | |
| APM30.1000 | 100,0 | 160 | 2000 | |
| | | | | |
| | | 150 | | |
| | | 140 | | |

DKP20



| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| DKP20.040 | 3,9 | 280 | 3500 | 650 |
| DKP20.060 | 5,9 | | | |
| DKP20.080 | 8,0 | | | |
| DKP20.095 | 9,4 | | 3000 | 600 |
| DKP20.115 | 11,4 | | | |
| DKP20.140 | 13,9 | | | |
| DKP20.148 | 14,8 | | | |
| DKP20.160 | 16,0 | 240 | 2500 | |
| DKP20.190 | 19,2 | | | |
| DKP20.220 | 21,9 | 220 | 2200 | |
| DKP20.250 | 24,8 | 200 | | |
| DKP20.280 | 27,9 | | | |

DPH20



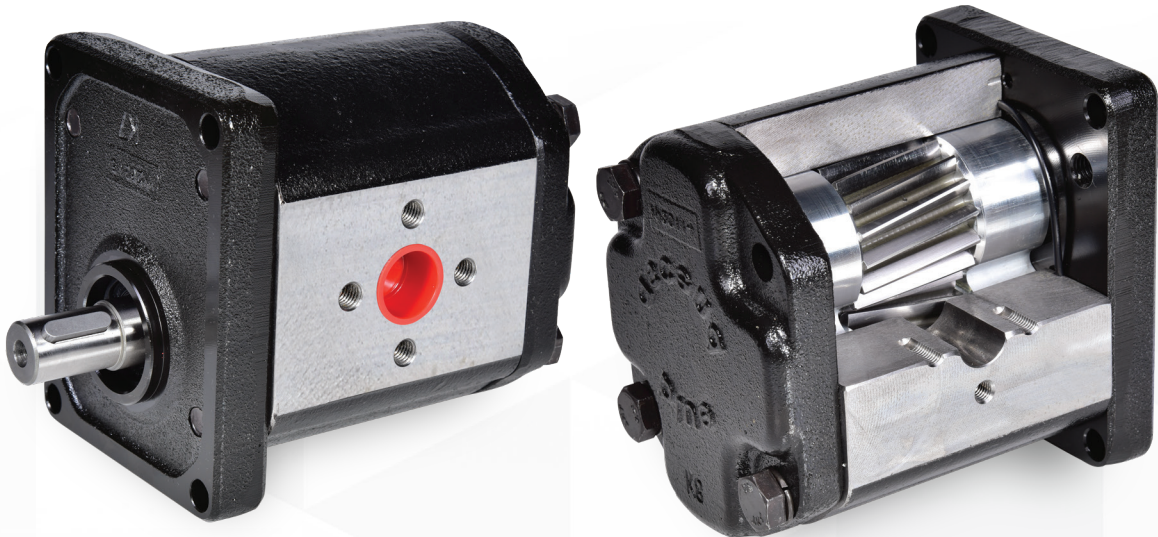
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| DPH20.040 | 4,0 | 320 | 3500 | 650 |
| DPH20.060 | 6,0 | | | |
| DPH20.080 | 8,0 | | | |
| DPH20.095 | 9,5 | | | |
| DPH20.115 | 11,5 | 300 | 3000 | 600 |
| DPH20.140 | 14,0 | | | |
| DPH20.148 | 14,8 | | | |
| DPH20.160 | 16,0 | | | |
| DPH20.190 | 19,0 | 280 | 2500 | 600 |
| DPH20.220 | 22,0 | 250 | | |
| DPH20.250 | 25,0 | 230 | | |
| DPH20.280 | 28,0 | 210 | 2200 | 600 |

DKP30



| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| DKP30.170 | 17,0 | 280 | 3000 | 400 |
| DKP30.220 | 22,0 | | | |
| DKP30.270 | 27,0 | | | |
| DKP30.340 | 34,0 | 260 | 2500 | |
| DKP30.380 | 38,0 | | | |
| DKP30.430 | 43,0 | | | |
| DKP30.470 | 47,0 | 250 | 2000 | |
| DKP30.510 | 51,0 | 240 | | |
| DKP30.560 | 56,0 | 230 | | |
| DKP30.610 | 61,0 | 220 | | |
| DKP30.730 | 73,0 | 200 | | |
| DKP30.820 | 82,0 | 190 | | |
| DKP30.900 | 90,0 | 180 | | |
| DKP30.1000 | 100,0 | | | |

DPH30



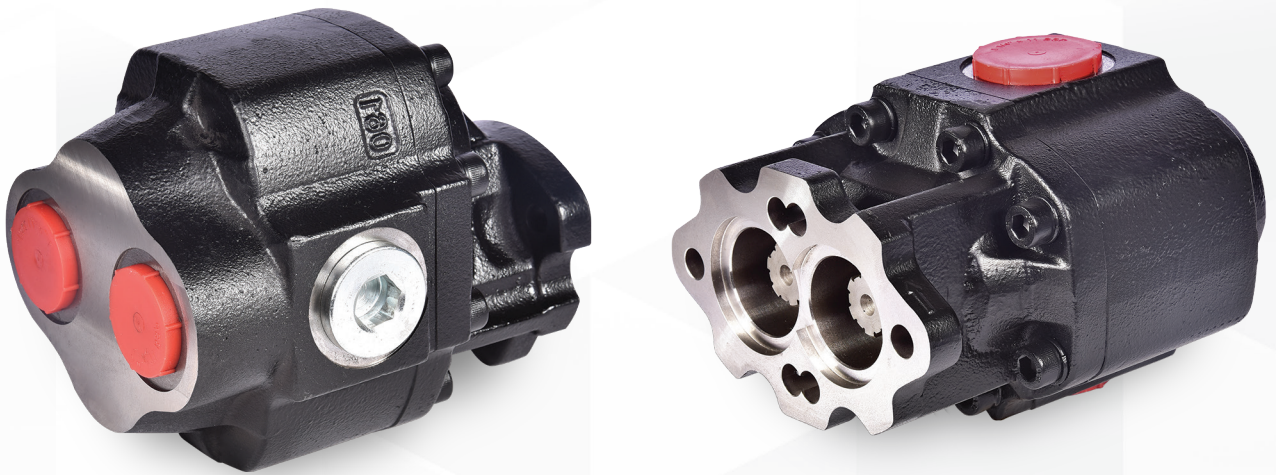
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| DPH30.170 | 17,0 | 300 | 3000 | 400 |
| DPH30.220 | 22,0 | | | |
| DPH30.270 | 27,0 | | | |
| DPH30.340 | 34,0 | 280 | 2500 | |
| DPH30.380 | 38,0 | | | |
| DPH30.430 | 43,0 | | | |
| DPH30.470 | 47,0 | 260 | 2000 | |
| DPH30.510 | 51,0 | | | |
| DPH30.560 | 56,0 | | | |
| DPH30.610 | 61,0 | 240 | 2000 | |
| DPH30.730 | 73,0 | | | |
| DPH30.820 | 82,0 | | | |
| DPH30.900 | 90,0 | 210 | 2000 | |
| DPH30.1000 | 100,0 | | | |
| | | 200 | | |

GP30



| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|--|------------------------|---------------------|---------------------|
| GP30.017 | 17,2 | 300 | 3000 | 300 |
| GP30.027 | 27,1 | 290 | | |
| GP30.034 | 34,4 | 280 | 2750 | |
| GP30.043 | 42,9 | 270 | 2500 | |
| GP30.051 | 51,2 | 240 | | |
| GP30.061 | 60,7 | 220 | 2000 | |
| GP30.073 | 73,0 | 200 | 1750 | |
| GP30.082 | 81,4 | 190 | | |
| GP30.100 | 99,7 | 180 | | |

GPR30



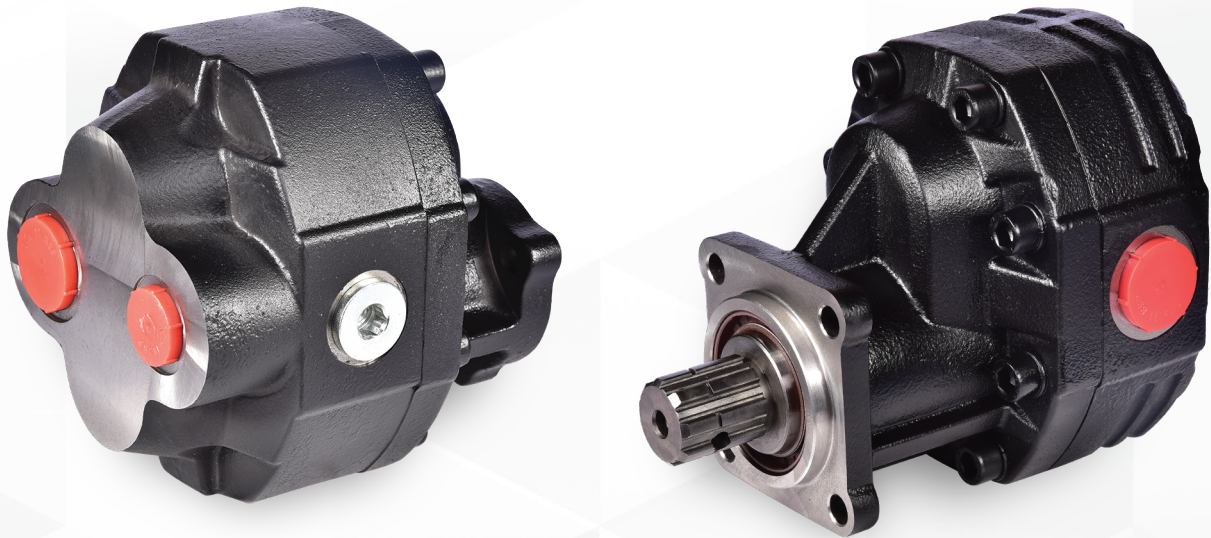
| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| GPR30.017 | 17,2 | 300 | 3000 | 300 |
| GPR30.027 | 27,1 | 290 | | |
| GPR30.034 | 34,4 | 280 | 2750 | |
| GPR30.043 | 42,9 | 270 | 2500 | |
| GPR30.051 | 51,2 | 240 | | |
| GPR30.061 | 60,7 | 220 | 2000 | |
| GPR30.073 | 73,0 | 200 | 1750 | |
| GPR30.082 | 81,4 | 190 | | |
| GPR30.100 | 99,7 | 180 | | |

GP40



| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| GP40.063 | 63,8 | 280 | 2750 | 300 |
| GP40.073 | 72,2 | | | |
| GP40.087 | 86,1 | 260 | | |
| GP40.109 | 107,3 | 240 | 2500 | |
| GP40.133 | 131,6 | 220 | | |
| GP40.151 | 148,3 | 180 | | |

GPR40



| Pump Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|-----------|-------------------------------------|---------------------|------------------|------------------|
| GPR40.063 | 63,8 | 280 | 2750 | 300 |
| GPR40.073 | 72,2 | | | |
| GPR40.087 | 86,1 | 260 | | |
| GPR40.109 | 107,3 | 240 | 2500 | |
| GPR40.133 | 131,6 | 220 | | |
| GPR40.151 | 148,3 | 180 | | |

GPM30



| Motor Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| GPM30.017 | 17,2 | 300 | 3000 | 300 |
| GPM30.027 | 27,1 | 290 | | |
| GPM30.034 | 34,4 | 280 | 2750 | |
| GPM30.043 | 42,9 | 270 | 2500 | |
| GPM30.051 | 51,2 | 240 | | |
| GPM30.061 | 60,7 | 220 | 2000 | |
| GPM30.073 | 73,0 | 200 | 1750 | |
| GPM30.082 | 81,4 | 190 | | |
| GPM30.100 | 99,7 | 180 | | |

CAST IRON BODY EXTERNAL GEAR MOTORS



GPM40



| Motor Type | Displacement (cm ³ /rev) | Max. Pressure (bar) | Max. Speed (rpm) | Min. Speed (rpm) |
|------------|-------------------------------------|---------------------|------------------|------------------|
| GPM40.063 | 63,8 | 280 | 2750 | 300 |
| GPM40.073 | 72,2 | | | |
| GPM40.087 | 86,1 | | | |
| GPM40.109 | 107,3 | 240 | | |
| GPM40.133 | 131,6 | 220 | 2500 | |
| GPM40.151 | 148,3 | 180 | | |

THE FUTURE OF HYDRAULIC POWER



 **ASC**
hydraulics

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