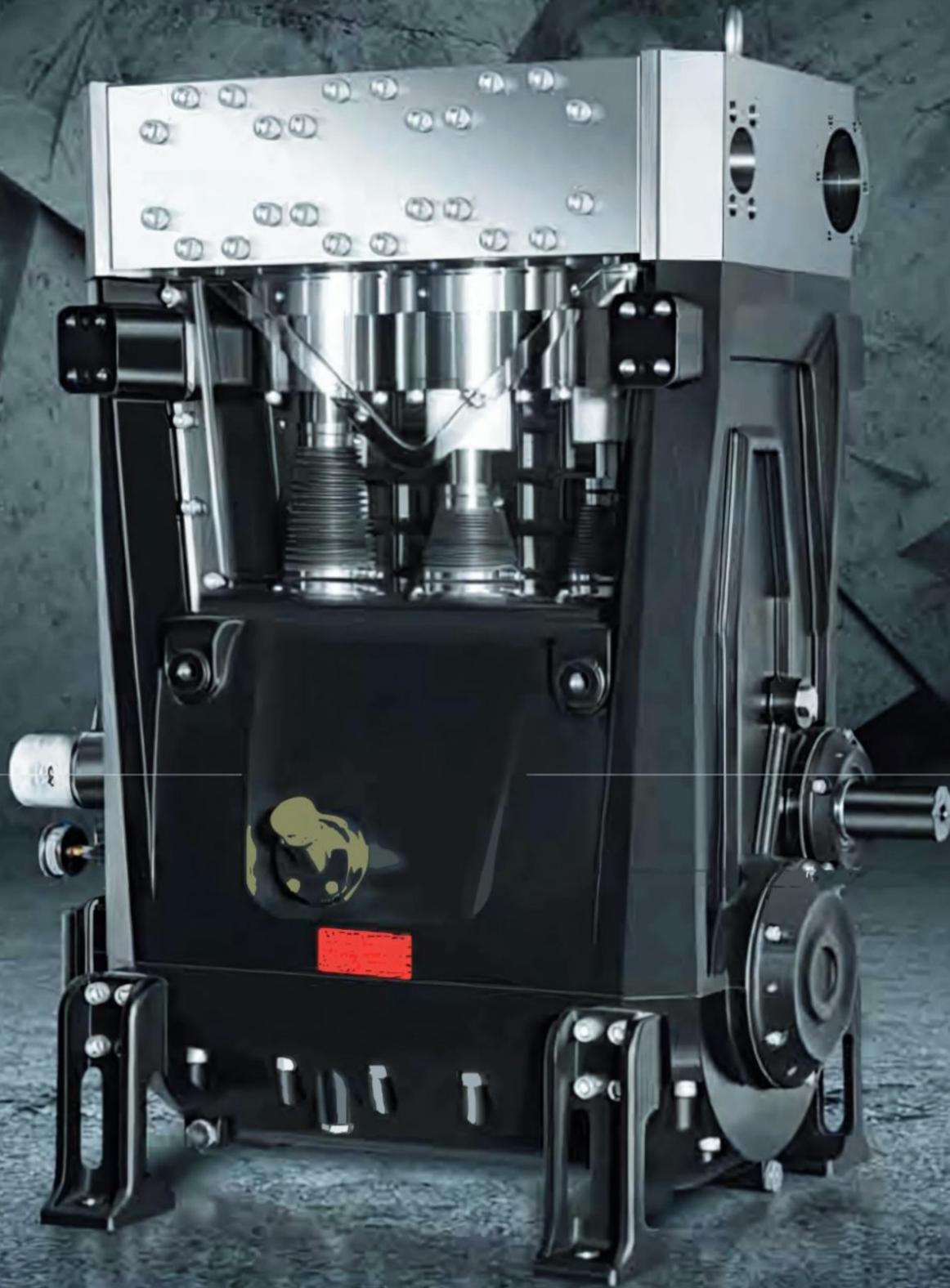




HIGH PRESSURE PLUNGER PUMP



ABOUT US

VIBGYOR

FOUNDED IN 1997, VIBGYOR GROUP BEGAN WITH THE MANUFACTURING OF AUTOMOTIVE PAINTS AND PIGMENTS, QUICKLY ESTABLISHING ITS PRESENCE ACROSS NORTHERN AND EASTERN INDIA WITH A STRONG BALANCE OF QUALITY AND PRICING.

IN 2007, THE GROUP EXPANDED INTO IMPORTS AND DISTRIBUTION THROUGH A STRATEGIC TIE-UP WITH SHINEMATE, A GLOBAL LEADER IN AUTOMOTIVE AND CLEANING PRODUCTS. WITH READY STOCK AVAILABILITY AND ROBUST DEALER SUPPORT, VIBGYOR BECAME A TRUSTED NAME ACROSS INDIA.

OVER THE YEARS, THE GROUP DIVERSIFIED INTO PRODUCING VALUE-ADDED EQUIPMENT AND CONSUMABLES IN INDIA, COMPLEMENTING ITS IMPORTED PRODUCT RANGE. IN 2017, VIBGYOR ENTERED INTO COOPERATION WITH BOTUOLINI CORPORATION, A LEADING MANUFACTURER OF HIGH-PRESSURE PUMPS AND WASHERS, CREATING A STRONG PRESENCE IN EQUIPMENT SALES AND SERVICING, FURTHER BOOSTING ITS CAR CARE PRODUCT BUSINESS.

BY 2020, VIBGYOR PARTNERED WITH PINFL PUMPING SYSTEMS GMBH, BRINGING HIGH-END PUMP SOLUTIONS FOR INDUSTRIES SUCH AS MINING, SHIPBUILDING, STEEL, POWER, FERTILIZERS, AND MORE—OFFERING PRESSURES UP TO 2500 BAR. IN 2022, PINFL STRATEGICALLY ACQUIRED A STAKE IN BOTUOLINI, FORMING A POWERFUL GLOBAL MANUFACTURING BASE AND EXPANDING MARKET REACH.

TODAY, VIBGYOR GROUP DELIVERS ONE OF THE MOST COMPREHENSIVE RANGES OF PUMPS WORLDWIDE, COMPETING WITH TOP US AND EUROPEAN BRANDS. WITH FLOW RATES FROM 2 LPM TO 425 LPM AND PRESSURES UP TO 2500 BAR, OUR PUMPS SERVE DIVERSE APPLICATIONS, INCLUDING:

- MISTING / FOGGING / SPRAYING
- VEHICLE WASHING
- SURFACE PREPARATION / PAINT REMOVAL
- HYDRO TESTING
- SEWER JETTING / DRAIN CLEANING
- FIRE MISTING / SUPPRESSION
- PIPE / TUBE CLEANING
- METAL CUTTING
- DESALINATION
- CONCRETE REMOVAL



PIAFI

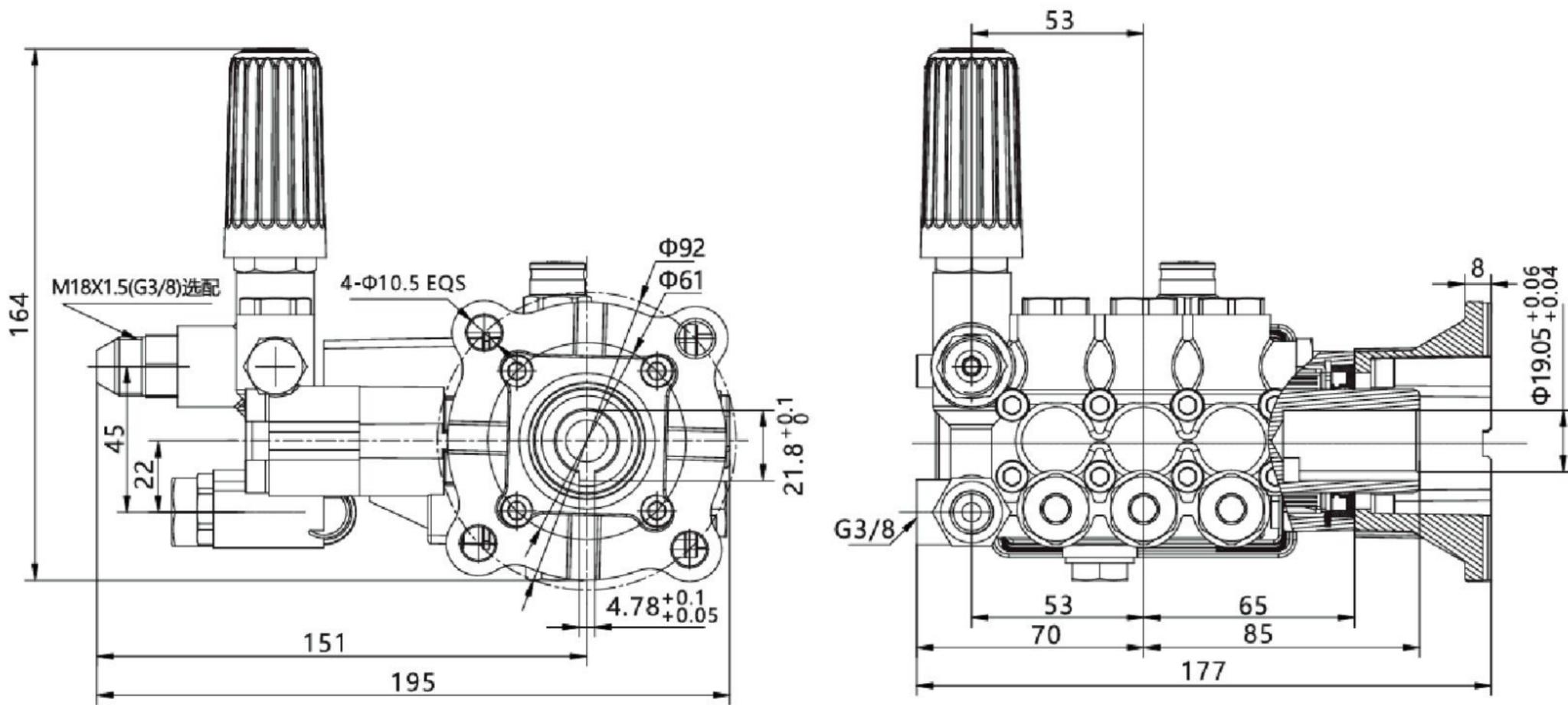




PF-LMV SERIES



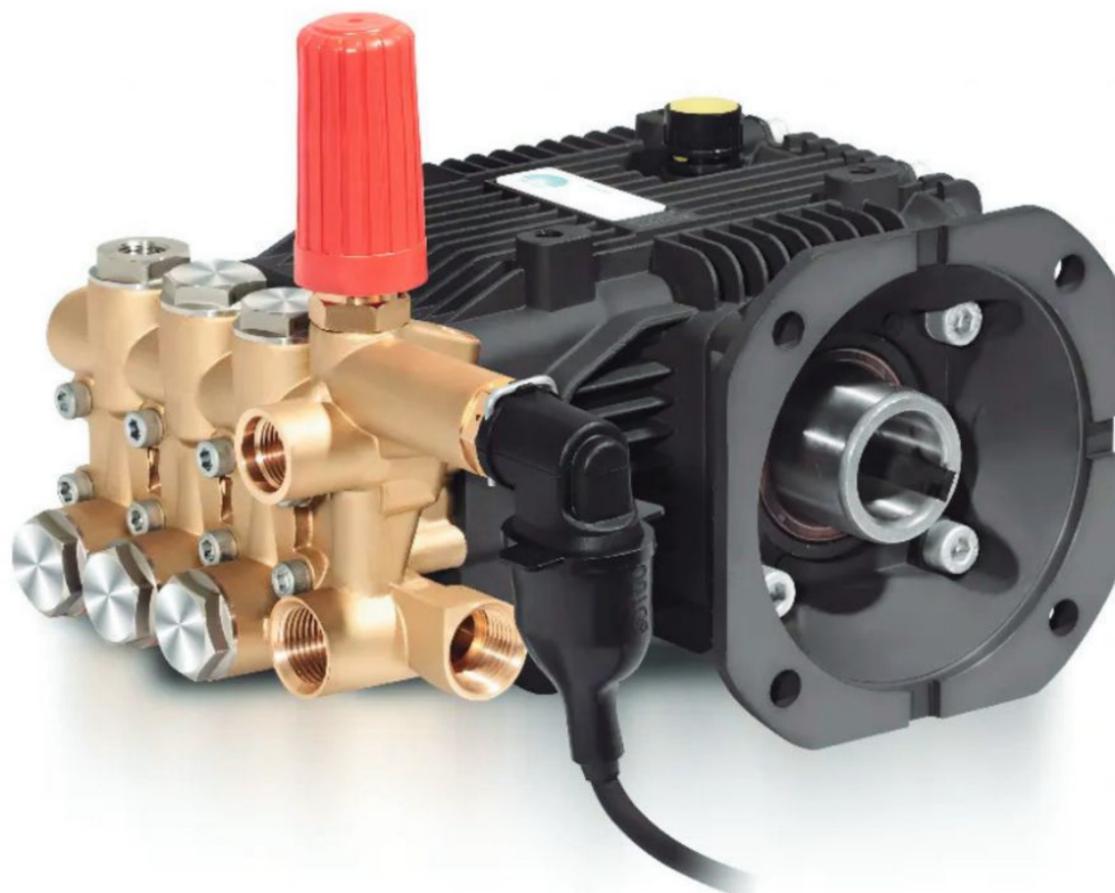
HOLLOW SHAFT



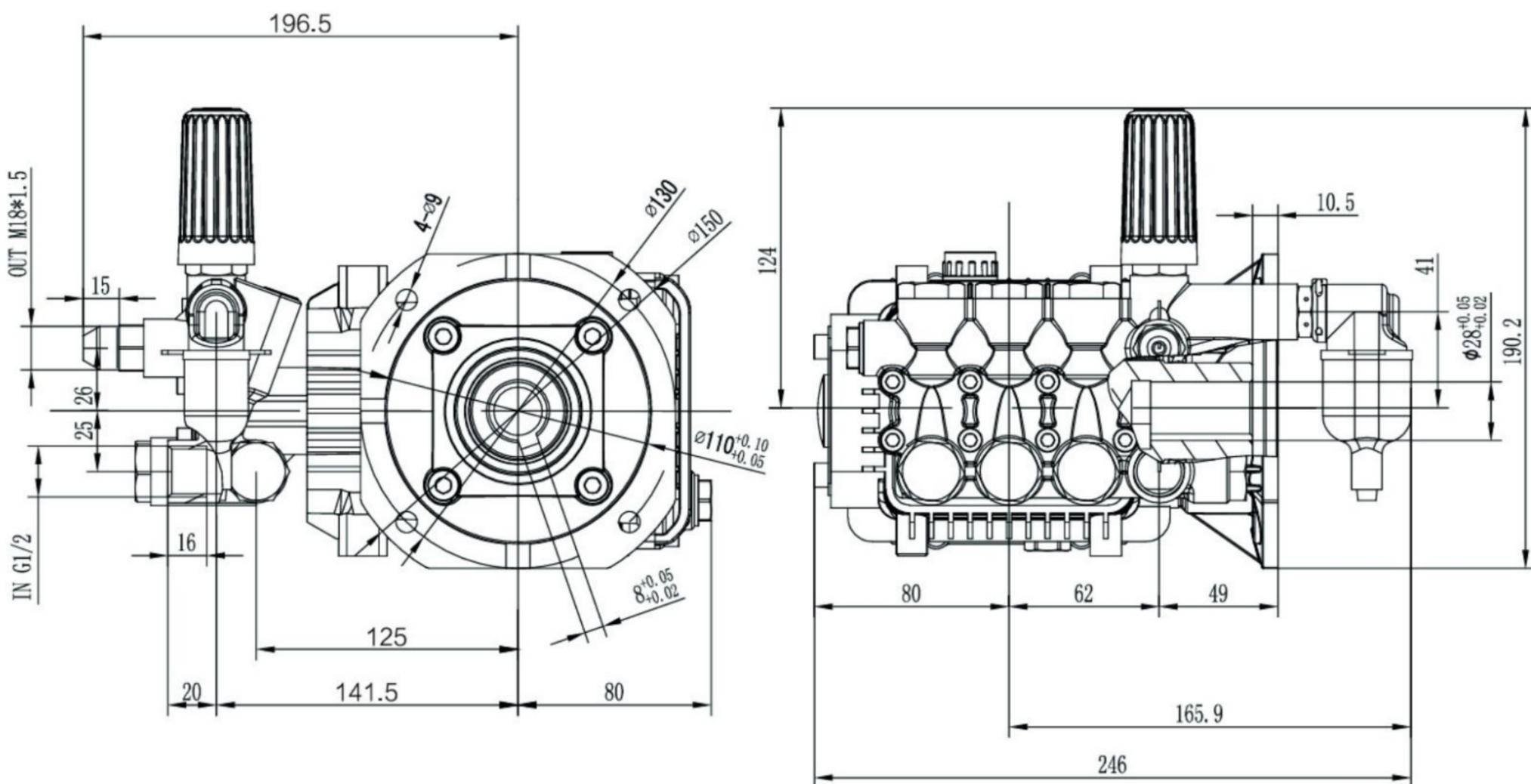
| Model | Flow Rate | | Max Pressure | | Power | | Speed | Plunger Dia | Stroke |
|-----------|-----------|------|--------------|-------|-------|------|-------|-------------|--------|
| | L/min | gpm | bar | p.s.i | hp | kw | r.p.m | mm | mm |
| PFLMV0210 | 2 | 0.53 | 100 | 1450 | 0.75 | 0.55 | 1450 | 15 | 3 |
| PFLMV0410 | 4 | 1.06 | 100 | 1450 | 1.1 | 0.75 | 1450 | 15 | 6.5 |
| PFLMV0610 | 6 | 1.59 | 100 | 1450 | 1.5 | 1.1 | 1450 | 15 | 7 |



PF-KBM SERIES



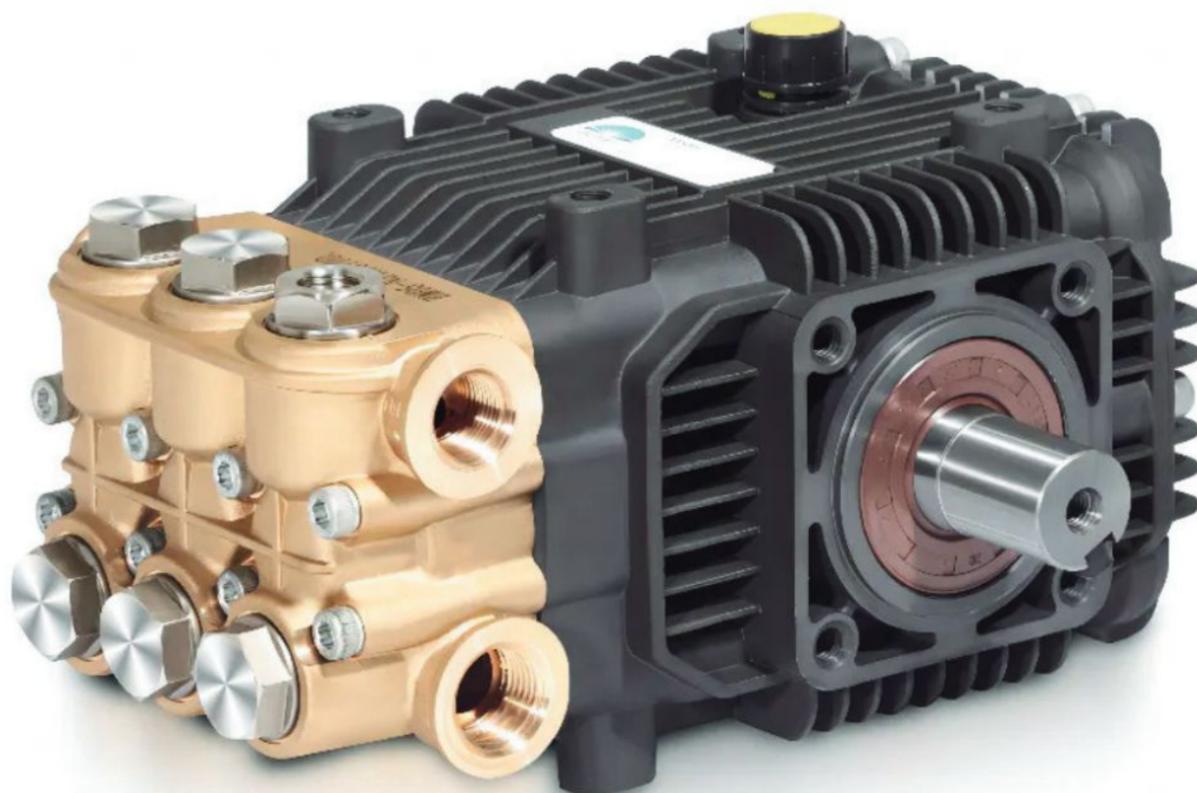
HOLLOW SHAFT



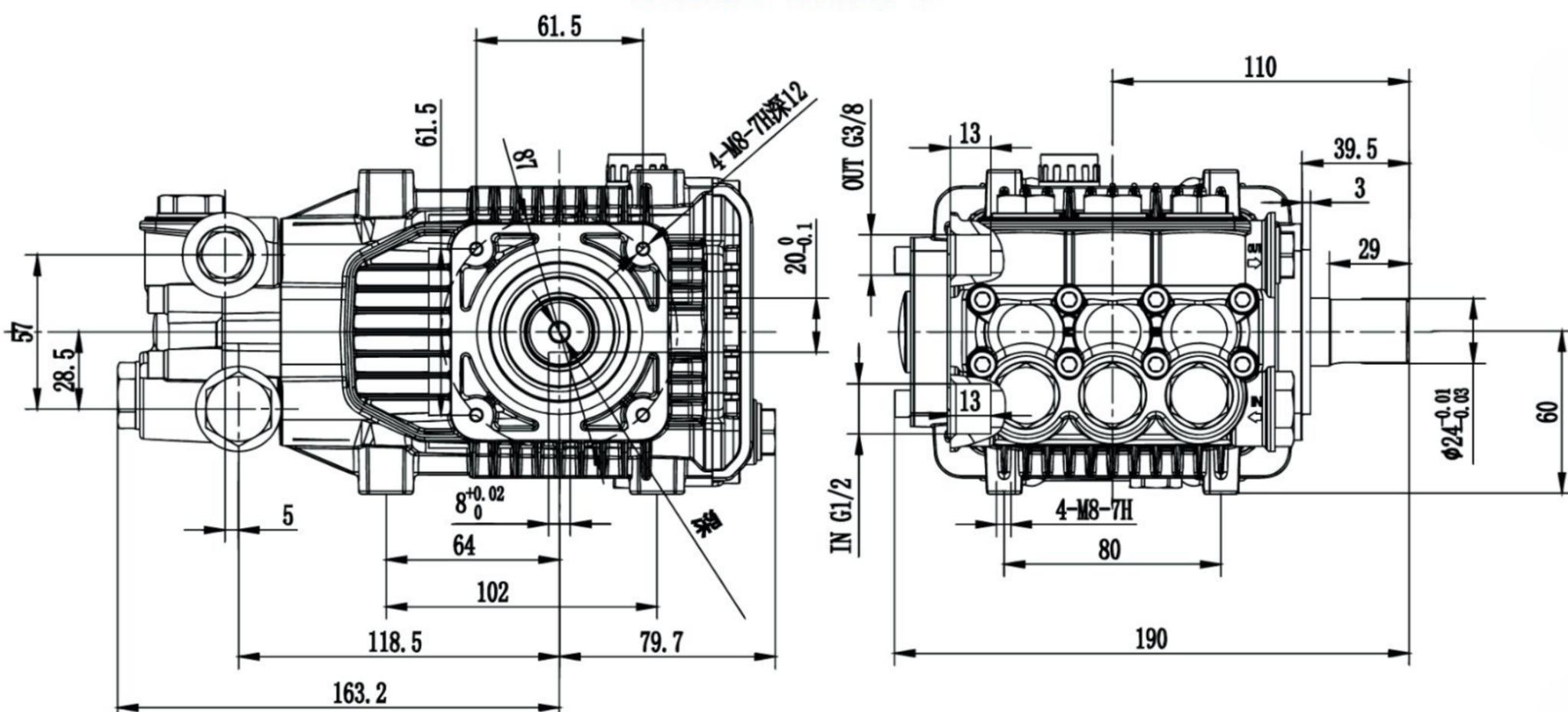
| Model | Flow | | Pressure | | Power | | RPM | Plunger Dia | Stroke |
|-----------|-------|------|----------|------|-------|-----|------|-------------|--------|
| | L/min | gpm | Bar | psi | hp | kw | rpm | mm | mm |
| PFKBM1218 | 11 | 2.9 | 180 | 2610 | 5.5 | 4 | 1450 | 18 | 10 |
| PFKBM1518 | 15 | 3.96 | 180 | 2610 | 7.5 | 5.5 | 1450 | 18 | 14 |
| PFKBM1525 | 15 | 3.96 | 250 | 3625 | 13 | 7.5 | 1450 | 18 | 14 |



PF-BM SERIES



SOLID SHAFT



| Model | Flow Rate | | Max Pressure | | Power | Speed | Plunger Dia | Stroke | Shaft Dia |
|----------|-----------|------|--------------|-------|-------|-------|-------------|--------|-----------|
| | L/min | gpm | bar | p.s.i | kw | r.p.m | mm | mm | mm |
| PFBM0310 | 3 | 0.79 | 100 | 1450 | 1 | 1450 | 18 | 3 | 24 |
| PFBM0610 | 6 | 1.58 | 100 | 1450 | 1.5 | 1450 | 18 | 5 | 24 |
| PFBM0818 | 7.5 | 1.98 | 180 | 2610 | 3 | 1450 | 18 | 7 | 24 |
| PFBM1213 | 11 | 2.91 | 130 | 1885 | 3 | 1450 | 18 | 10 | 24 |
| PFBM1218 | 11 | 2.91 | 180 | 2610 | 4 | 1450 | 18 | 10 | 24 |
| PFBM1525 | 15 | 3.96 | 250 | 3625 | 7.5 | 1450 | 18 | 14 | 24 |
| PFBM2010 | 20 | 5.02 | 100 | 1450 | 4 | 1450 | 20 | 14 | 24 |

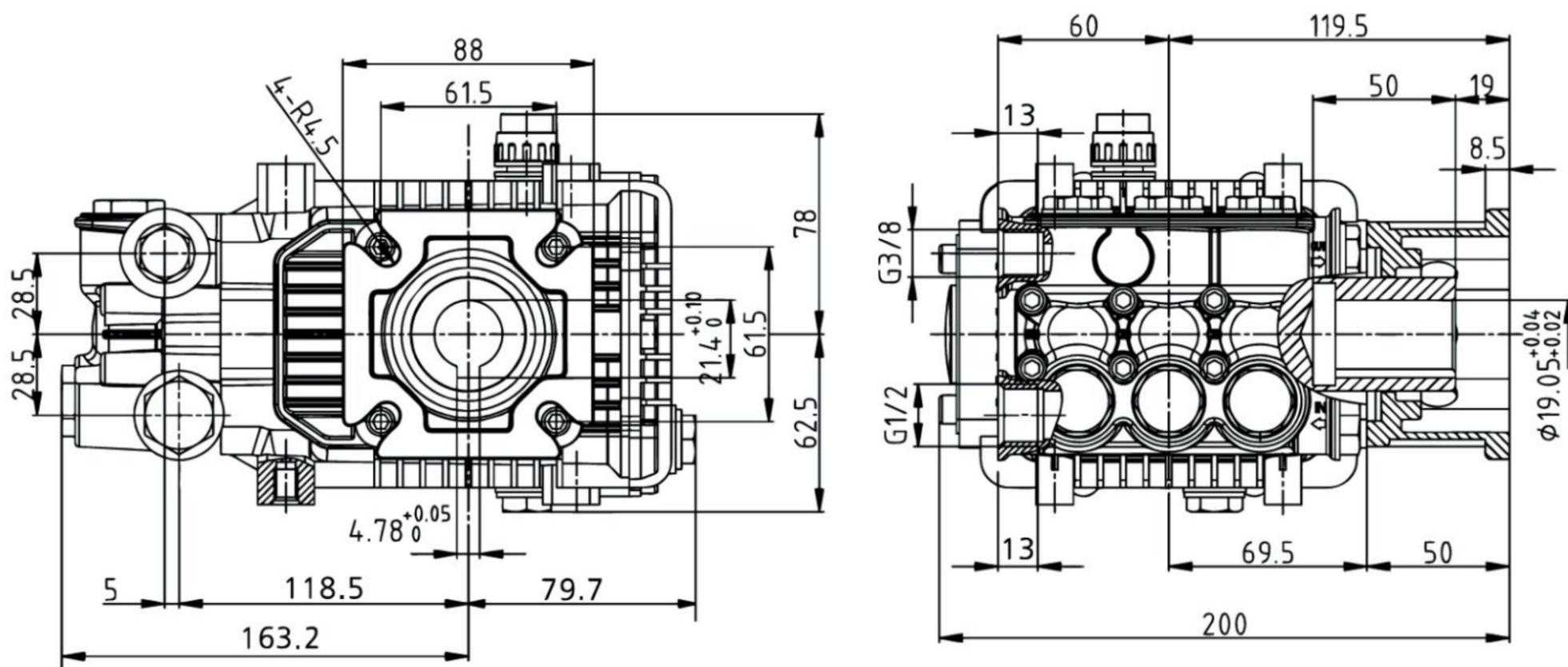
*STAINLESS STEEL HEAD & HOT WATER PUMP SERIES ALSO AVAILABLE IN THE SAME.



PF-BMV SERIES



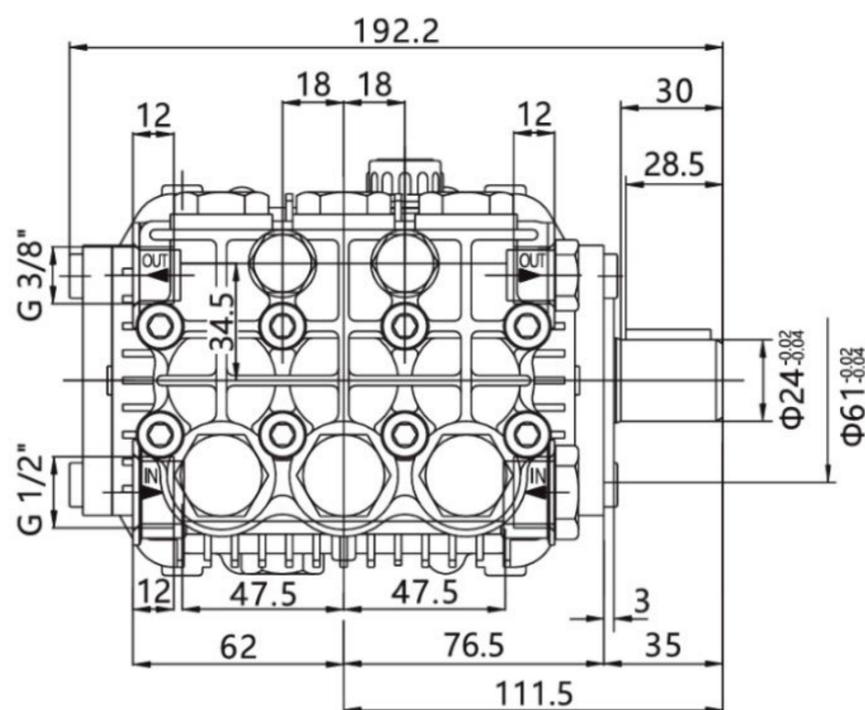
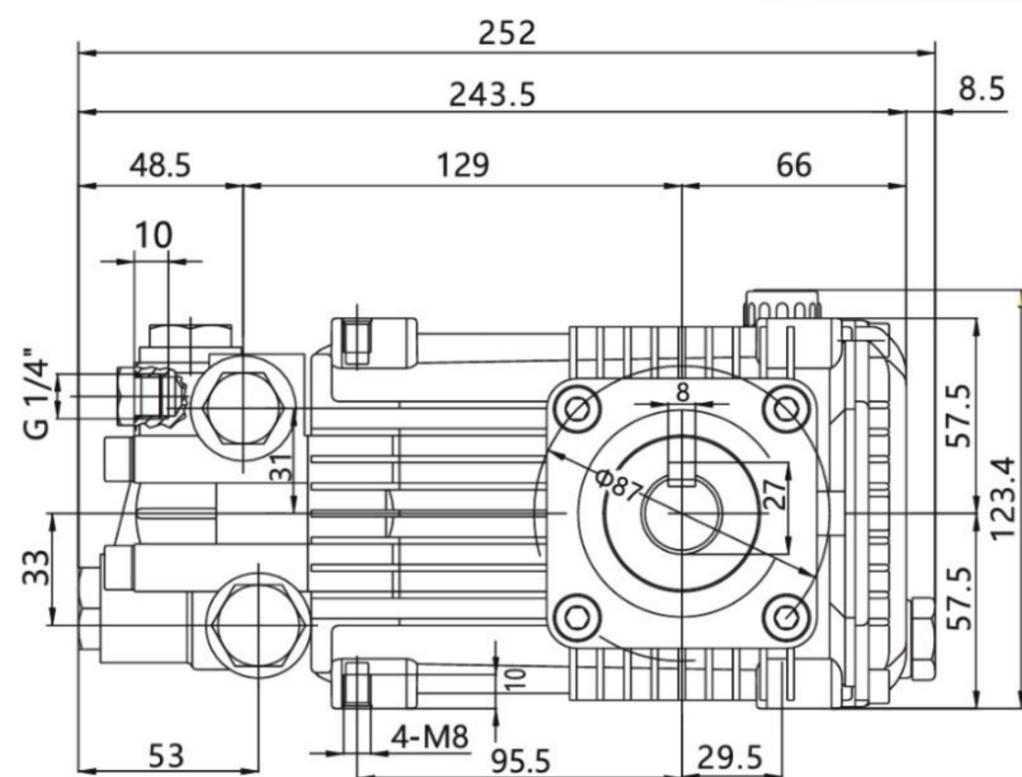
HOLLOW SHAFT



| Model | Flow Rate | | Max Pressure | | Power | | Speed | Plunger Dia | Stroke |
|-------------|-----------|------|--------------|-------|-------|-----|-------|-------------|--------|
| | L/min | gpm | bar | p.s.i | hp | kw | r.p.m | mm | mm |
| PFBMV 08.18 | 8 | 2.11 | 180 | 2610 | 4 | 3 | 3400 | 15 | 6.5 |
| PFBMV 12.18 | 11 | 2.90 | 180 | 2610 | 6.5 | 4 | 3400 | 15 | 7 |
| PFBMV 15.25 | 15 | 3.96 | 250 | 3625 | 10 | 6.5 | 3400 | 15 | 10 |



PF-TK SERIES

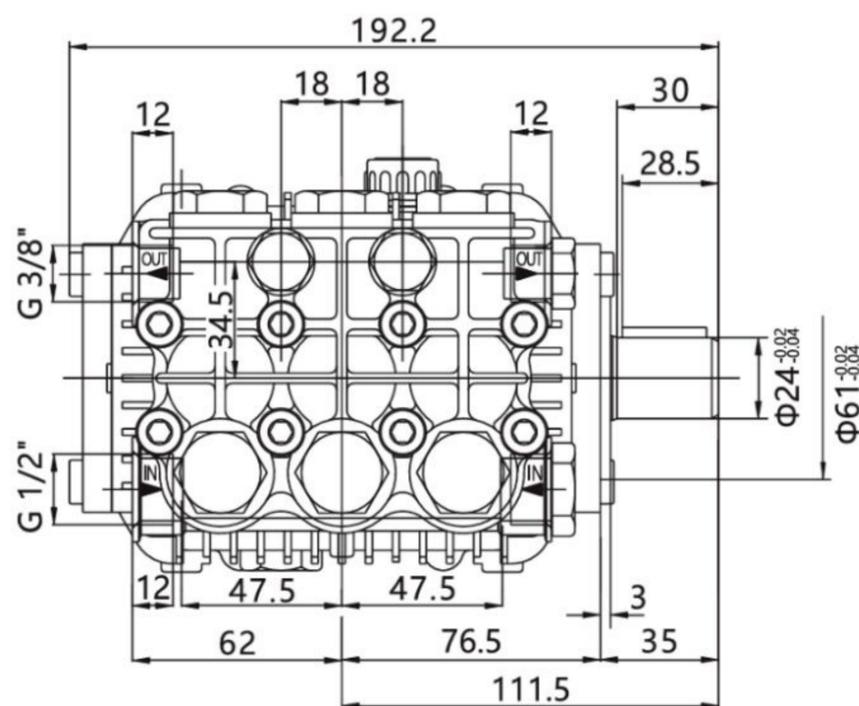
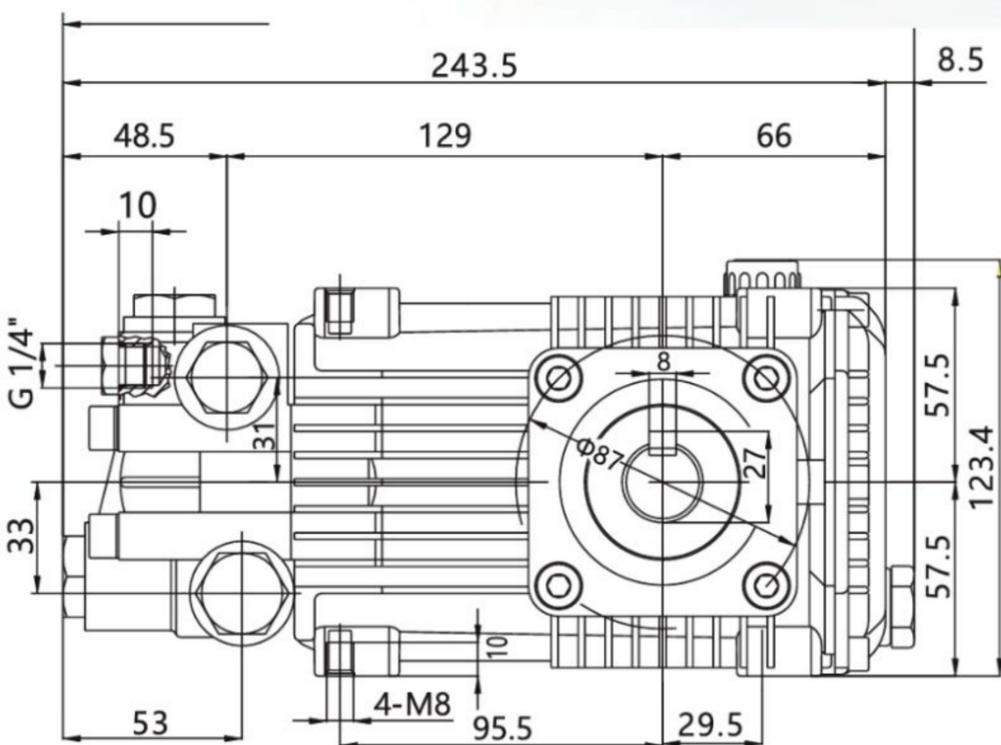


| Model | Flow Rate | | Max Pressure | | Power | | Speed | Plunger Dia | Stroke |
|----------|-----------|------|--------------|-------|-------|-----|-------|-------------|--------|
| | L/min | gpm | bar | p.s.i | hp | kw | r.p.m | mm | mm |
| PFTK1530 | 15 | 3.96 | 300 | 4350 | 13 | 9 | 1450 | 24 | 9.5 |
| PFTK2310 | 23 | 6.08 | 100 | 1450 | 5.5 | 4 | 1450 | 24 | 9.5 |
| PFTK2325 | 23 | 6.08 | 250 | 3625 | 15 | 11 | 1450 | 24 | 9.5 |
| PFTK3015 | 30 | 7.93 | 150 | 2200 | 10 | 7.5 | 1450 | 24 | 9.5 |

*STAINLESS STEEL HEAD & HOT WATER PUMP SERIES ALSO AVAILABLE IN THE SAME.



PF-JK SERIES

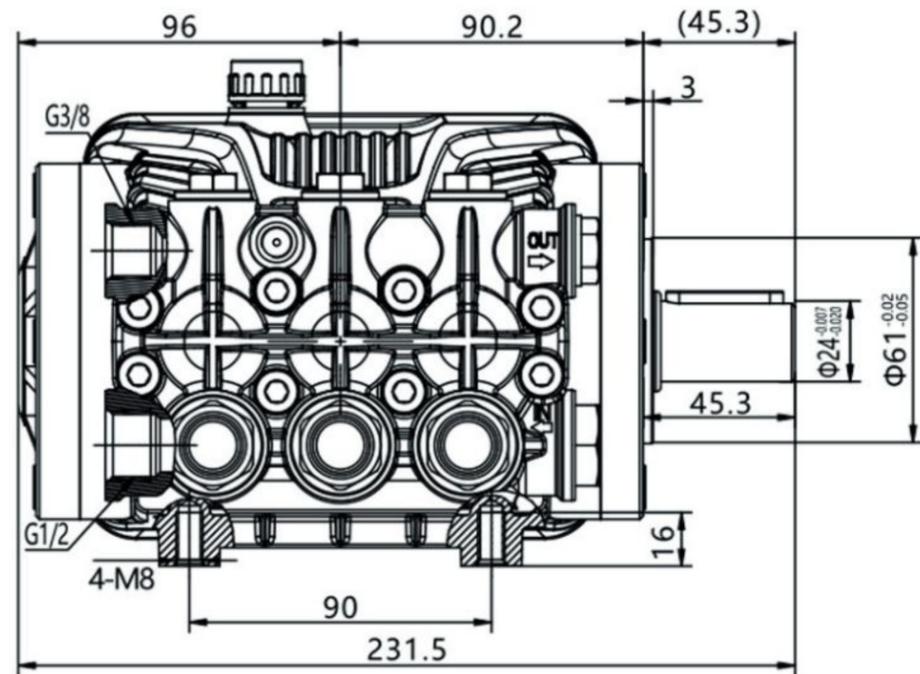
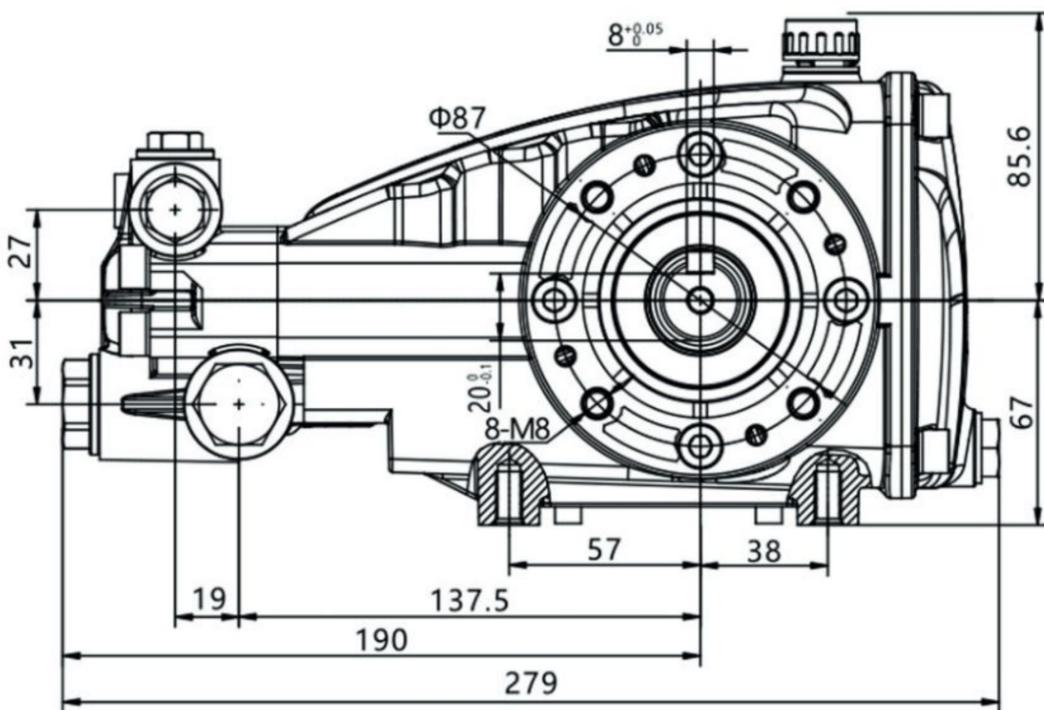


| Model | Flow Rate | | Max Pressure | | Power | | Speed | Shaft Dia | Weight |
|------------|-----------|------|--------------|-------|-------|-----|-------|-----------|--------|
| | L/min | gpm | bar | p.s.i | hp | kw | r.p.m | mm | Kgs |
| PF-JK 1520 | 15 | 3.96 | 200 | 2900 | 7.5 | 5.5 | 1450 | 24 | 9.5 |
| PF-JK 1528 | 15 | 3.96 | 280 | 4060 | 11 | 8.2 | 1450 | 24 | 9.5 |
| PF-JK 2120 | 21 | 3.78 | 200 | 2900 | 10 | 7.5 | 1450 | 24 | 9.5 |

*STAINLESS STEEL HEAD & HOT WATER PUMP SERIES ALSO AVAILABLE IN THE SAME.



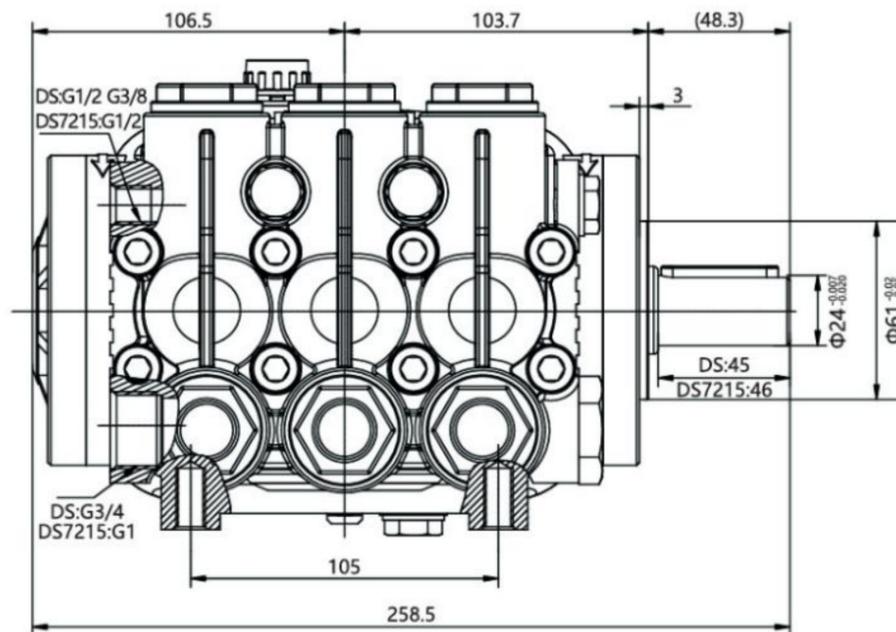
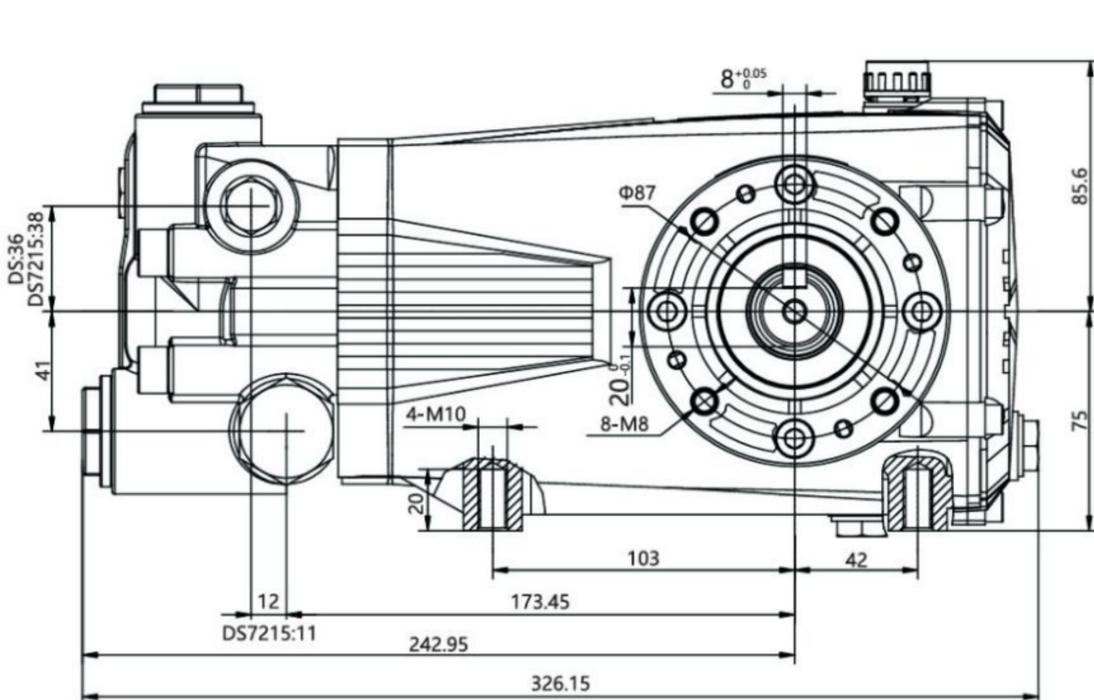
PF-ST SERIES



| Model | Flow Rate | | Max Pressure | | Power | | Speed r.p.m | Plunger Dia mm | Stroke mm |
|----------|-----------|------|--------------|-------|-------|----|----------------|-------------------|--------------|
| | L/min | gpm | bar | p.s.i | hp | kw | | | |
| PFST1535 | 15 | 3.96 | 350 | 5075 | 13 | 9 | 1450 | 18 | 14 |
| PFST1935 | 19 | 5.02 | 350 | 5075 | 20 | 15 | 1450 | 20 | 14 |
| PFST2335 | 23 | 6.07 | 350 | 5075 | 20 | 15 | 1450 | 22 | 14 |



PF-DS SERIES

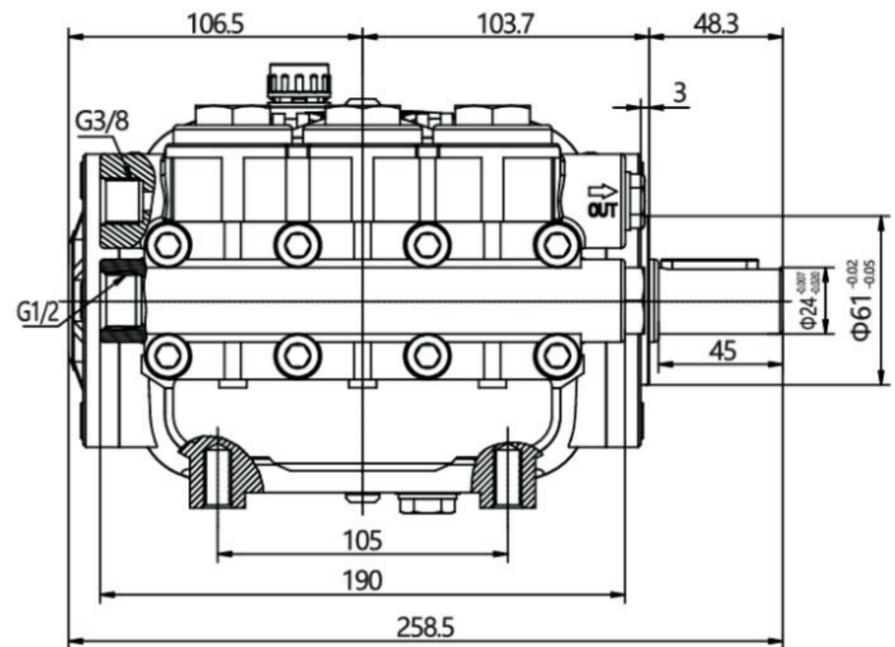
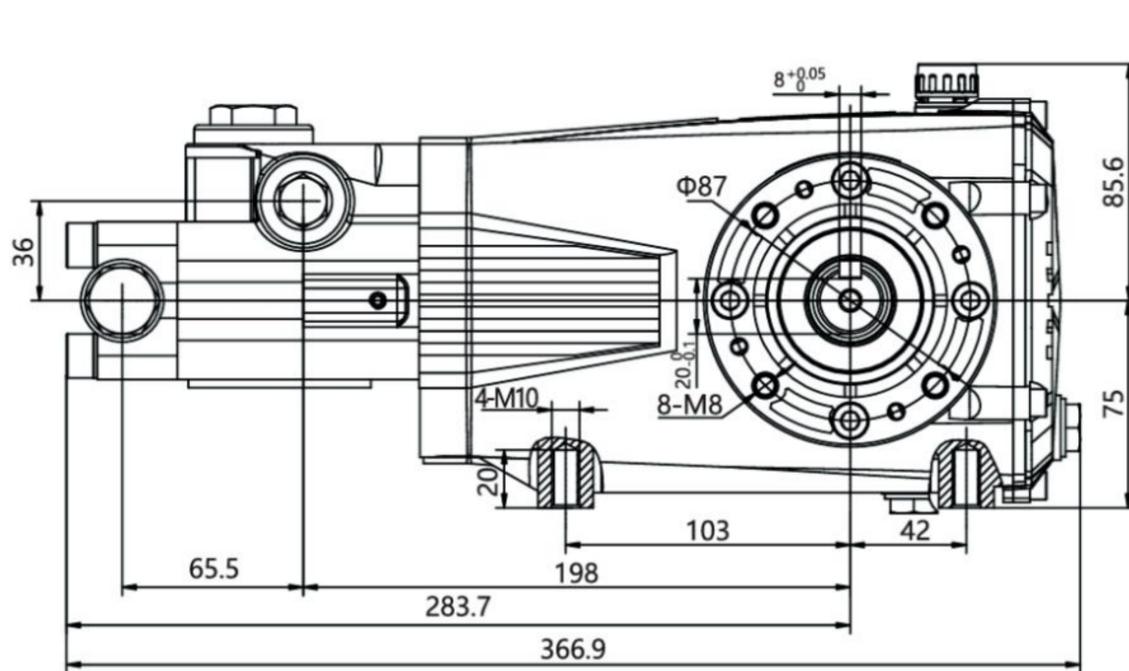


| Model | Flow Rate | | Max Pressure | | Power | | Speed | Plunger Dia | Stroke |
|----------|-----------|-------|--------------|-------|-------|----|-------|-------------|--------|
| | L/min | gpm | bar | p.s.i | hp | kw | r.p.m | mm | mm |
| PFDS3025 | 30 | 7.92 | 250 | 3625 | 20 | 15 | 1450 | 28 | 11 |
| PFDS4020 | 40 | 10.56 | 200 | 2900 | 20 | 15 | 1450 | 28 | 15 |
| PFDS5215 | 52 | 13.73 | 150 | 2175 | 20 | 15 | 1450 | 28 | 21 |
| PFDS7215 | 72 | 19.02 | 150 | 2175 | 30 | 22 | 1450 | 32 | 21 |

***STAINLESS STEEL HEAD & HOT WATER PUMP SERIES ALSO AVAILABLE IN THE SAME.**



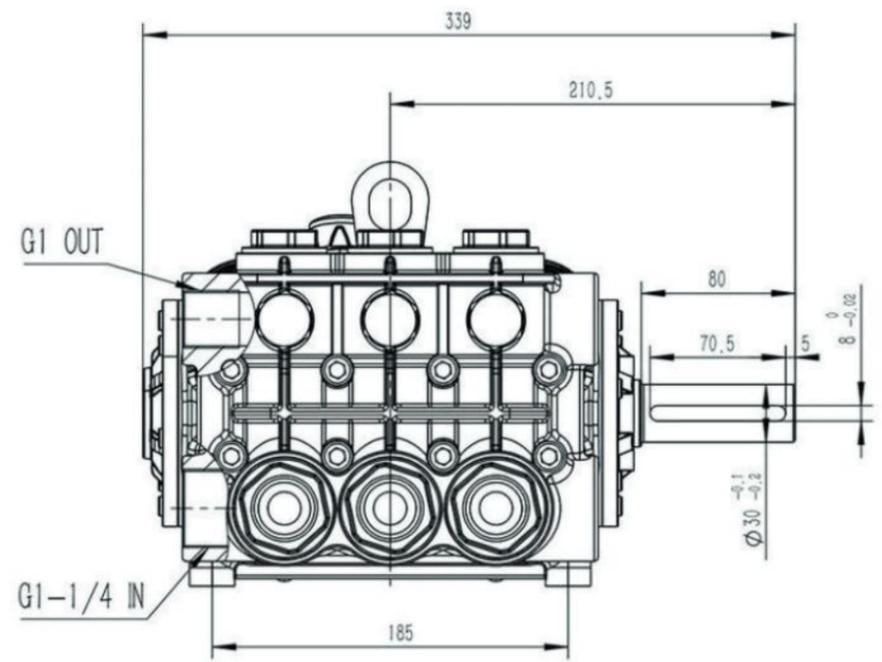
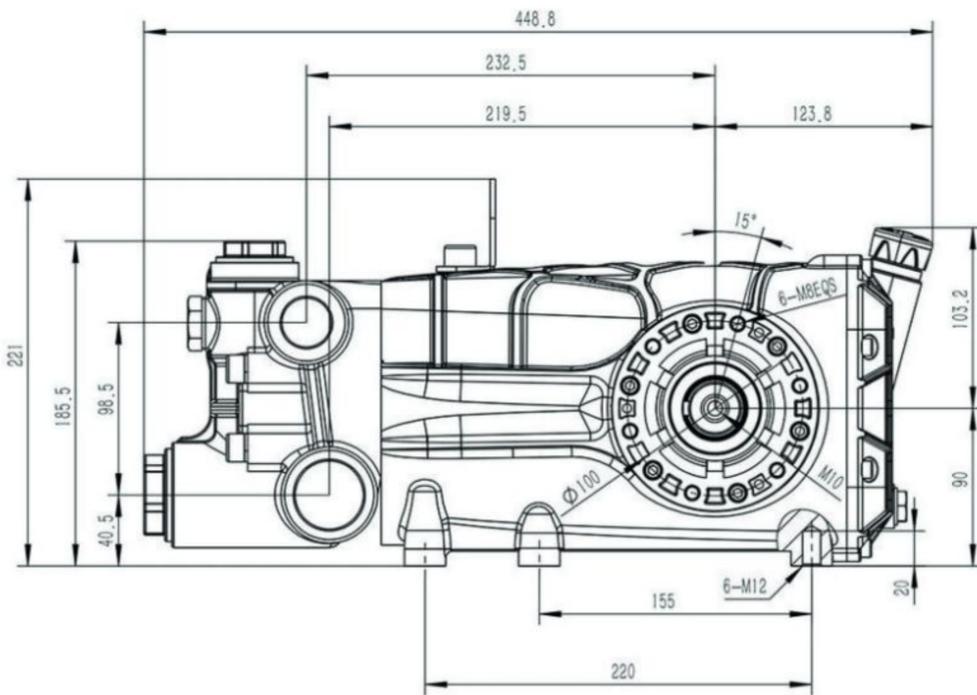
PF-DSP SERIES



| Model | Flow Rate | | Max Pressure | | Power | | Speed | Plunger Dia | Stroke |
|-----------|-----------|------|--------------|-------|-------|----|-------|-------------|--------|
| | L/min | gpm | bar | p.s.i | hp | kw | r.p.m | mm | mm |
| PFDSP1550 | 15 | 3.96 | 500 | 7250 | 20 | 15 | 1450 | 16 | 21 |
| PFDSP2250 | 22 | 5.81 | 500 | 7250 | 30 | 22 | 1450 | 18 | 21 |
| PFDSP3050 | 30 | 7.39 | 500 | 7250 | 40 | 30 | 1450 | 20 | 21 |



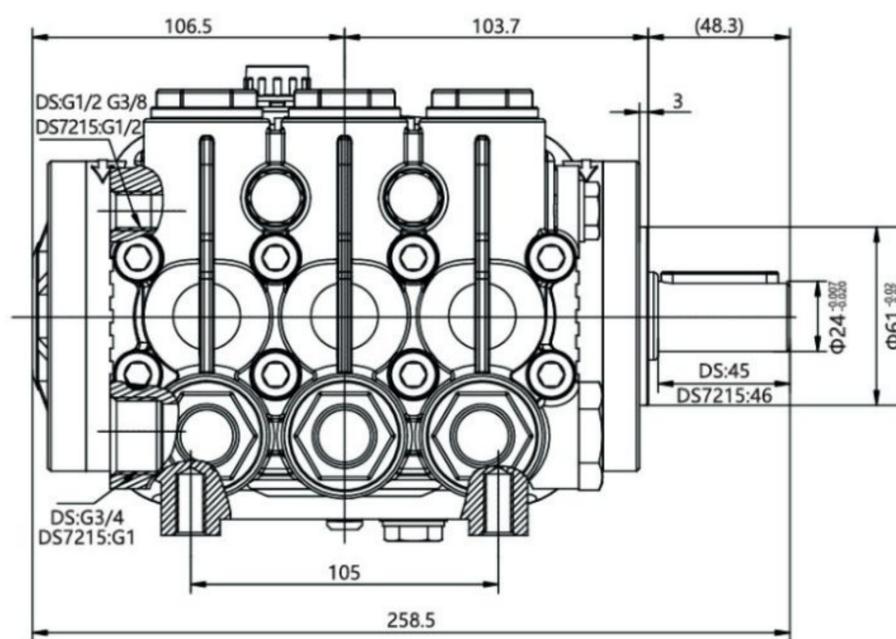
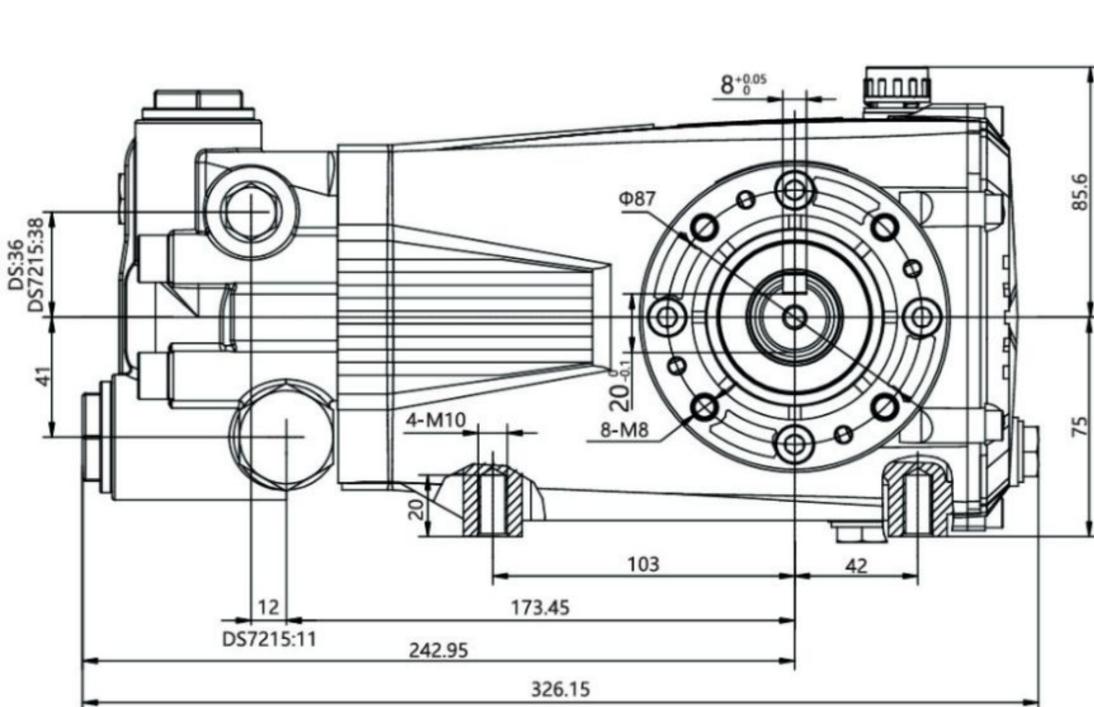
PF-IH SERIES



| MODEL | LPM | GPM | BAR | PSI | HP | KW | RPM | SHAFT DIA | WEIGHT (KGS) |
|------------------|-----|------|-----|------|----|----|------|-----------|--------------|
| PF-IH-32-N-10015 | 100 | 26.4 | 150 | 2175 | 40 | 30 | 1450 | 24MM | 44 |
| PF-IH-40-N-15013 | 150 | 39.6 | 130 | 1450 | 40 | 30 | 1450 | 24MM | 44 |



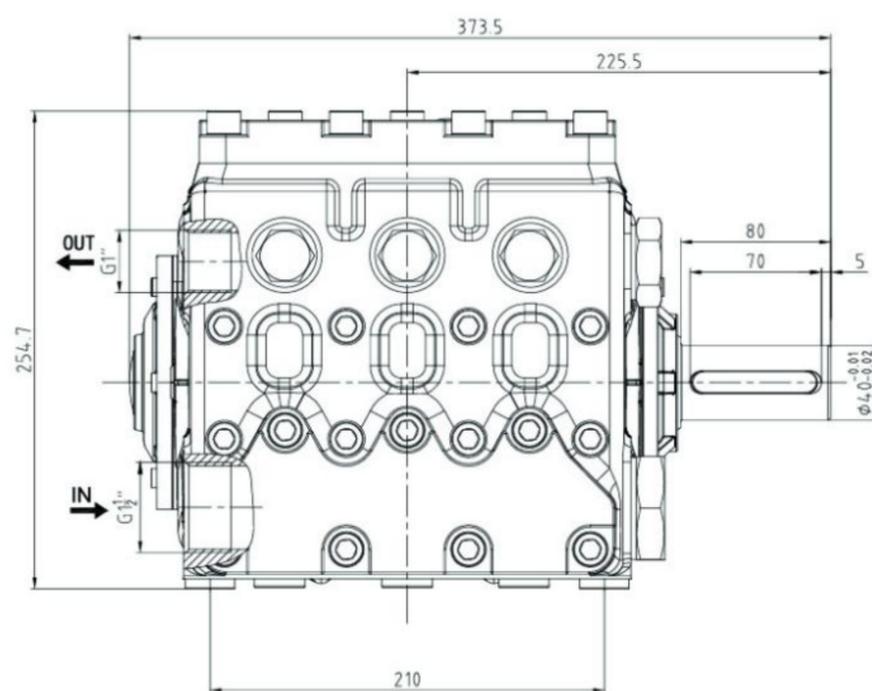
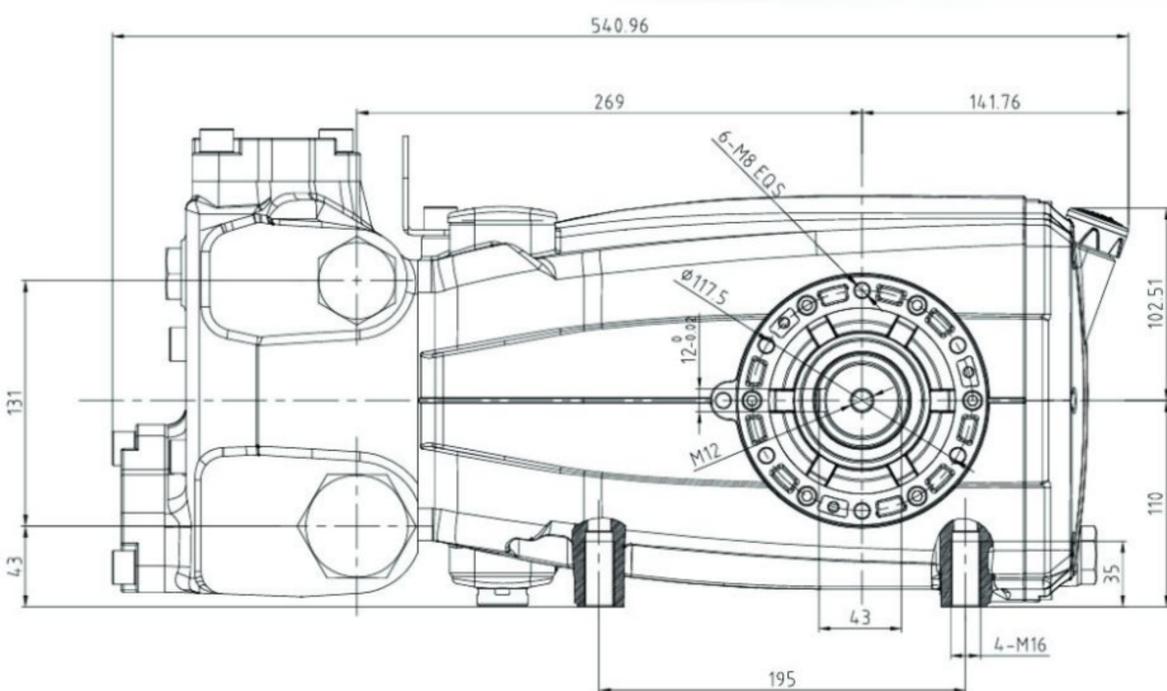
PF-GT SERIES



| MODEL | LPM | GPM | BAR | PSI | HP | KW | RPM | SHAFT DIA | WEIGHT (KGS) |
|------------------|-----|------|-----|------|----|----|------|-----------|--------------|
| PF-GT-32-N-10015 | 100 | 26.4 | 150 | 2175 | 40 | 30 | 1450 | 24MM | 44 |
| PF-GT-40-N-15013 | 150 | 39.6 | 130 | 1900 | 51 | 38 | 1450 | 24MM | 40 |



PF-GF SERIES



| MODEL | LPM | GPM | BAR | PSI | HP | KW | RPM | SHAFT DIA | WEIGHT (KGS) |
|-----------------|-----|------|-----|------|----|------|------|-----------|--------------|
| PFGF 36 130.160 | 130 | 34.5 | 160 | 2300 | 54 | 41 | 800 | 24MM | 69 |
| PFGF 38 150.150 | 150 | 39.2 | 150 | 2175 | 59 | 43.4 | 1000 | 24MM | 69 |
| PFGF 40 160.130 | 160 | 42.3 | 130 | 1900 | 54 | 41 | 1000 | 24MM | 69 |
| PFGF 45 240.100 | 240 | 63.1 | 100 | 1450 | 51 | 37 | 1000 | 24MM | 69 |

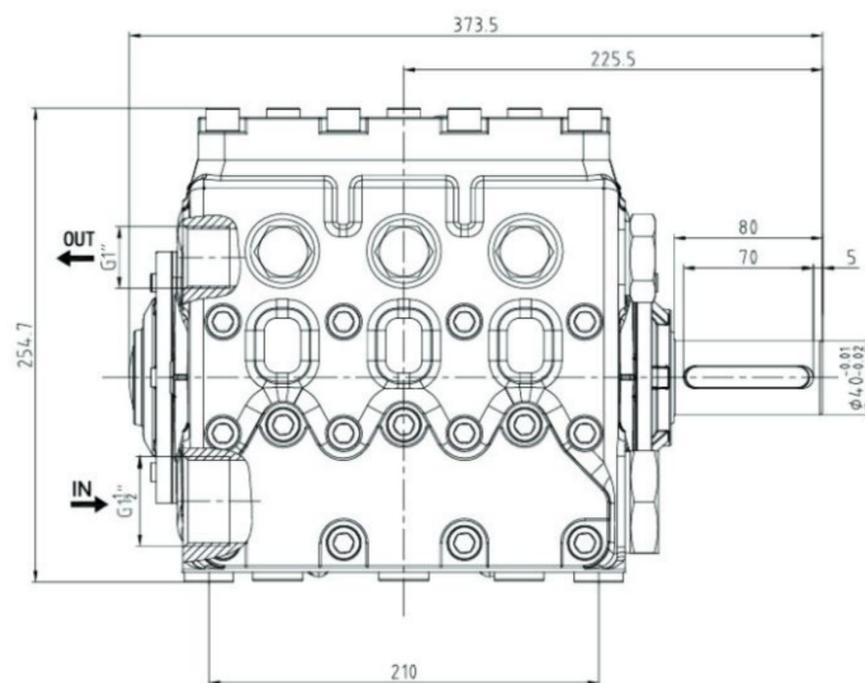
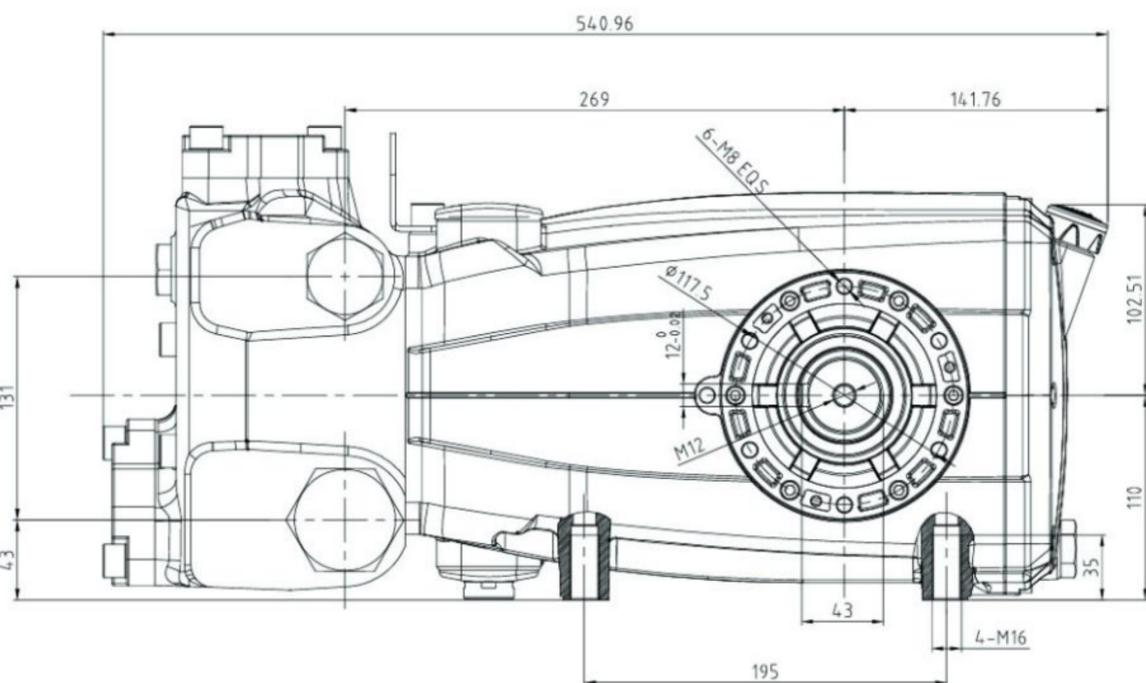


PF-GFR SERIES



RECYCLED FLUID SERIES UPTO 200μ

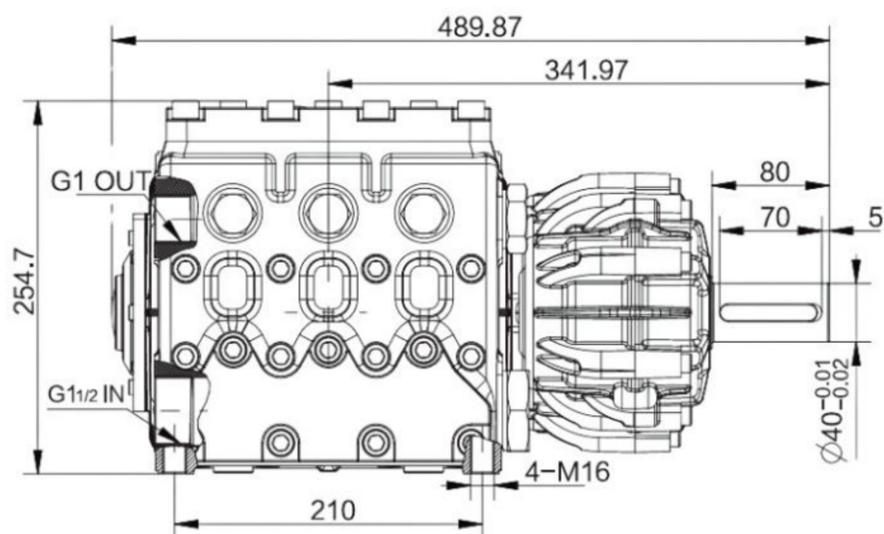
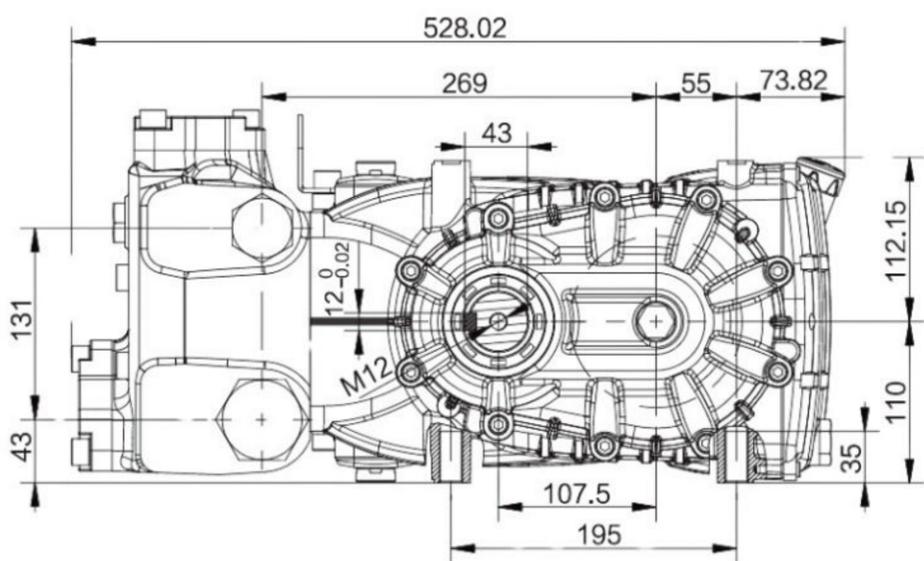
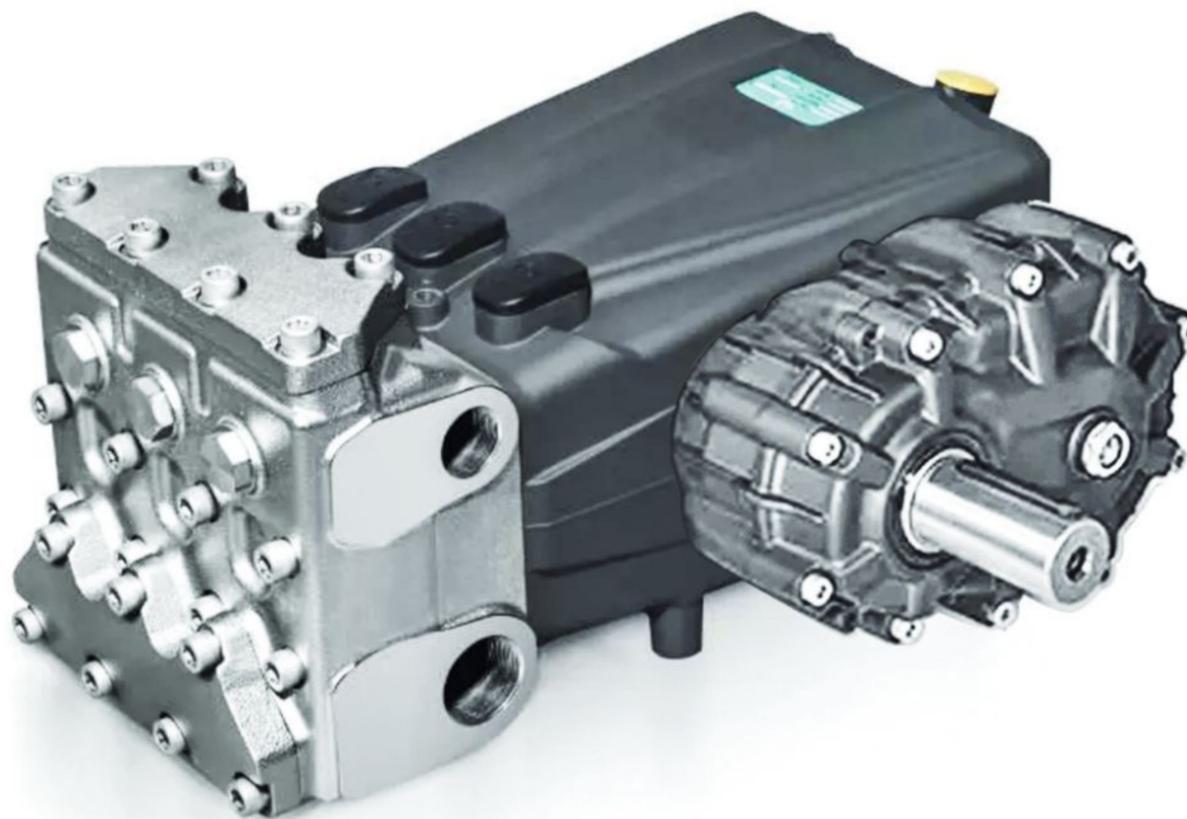
BIGGER CHECK VALVES & SUPERIOR PACKING SEALS



| MODEL | LPM | GPM | BAR | PSI | HP | KW | RPM | SHAFT DIA | WEIGHT (KGS) |
|-------------------|-----|------|-----|------|----|------|------|-----------|--------------|
| PF-GFR 36 130.160 | 130 | 34.5 | 160 | 2300 | 54 | 41 | 800 | 24MM | 69 |
| PF-GFR 38 150.150 | 150 | 39.2 | 150 | 2175 | 59 | 43.4 | 1000 | 24MM | 69 |
| PF-GFR 40 160.130 | 160 | 42.3 | 130 | 1900 | 54 | 41 | 1000 | 24MM | 69 |



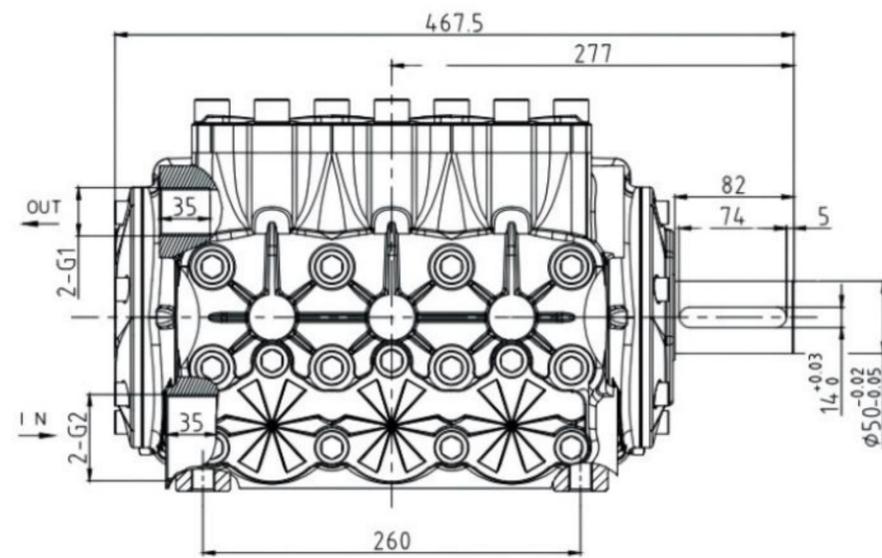
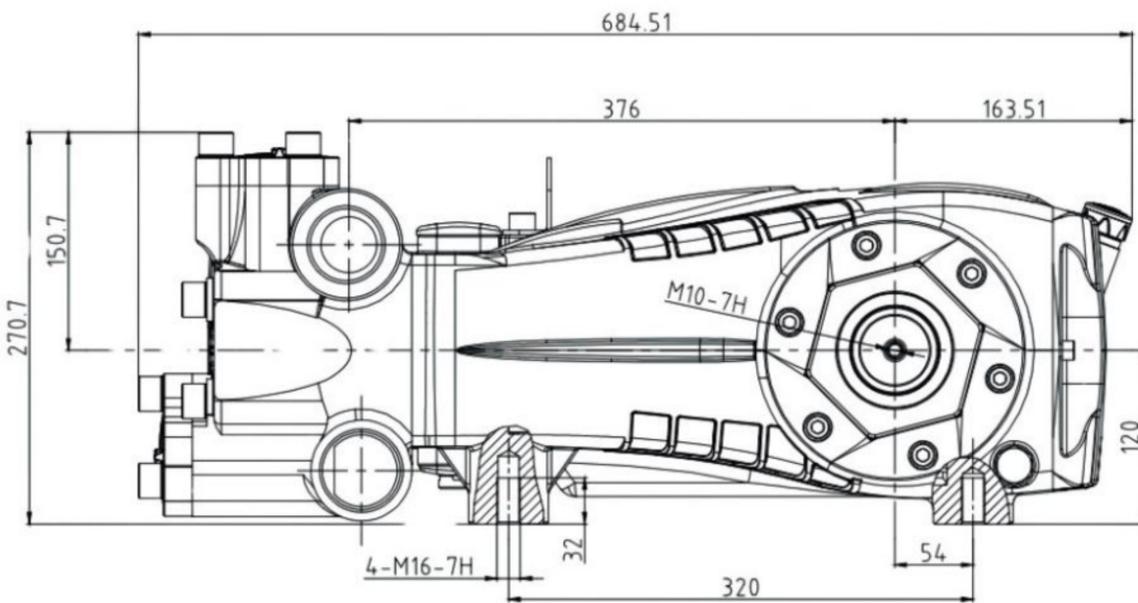
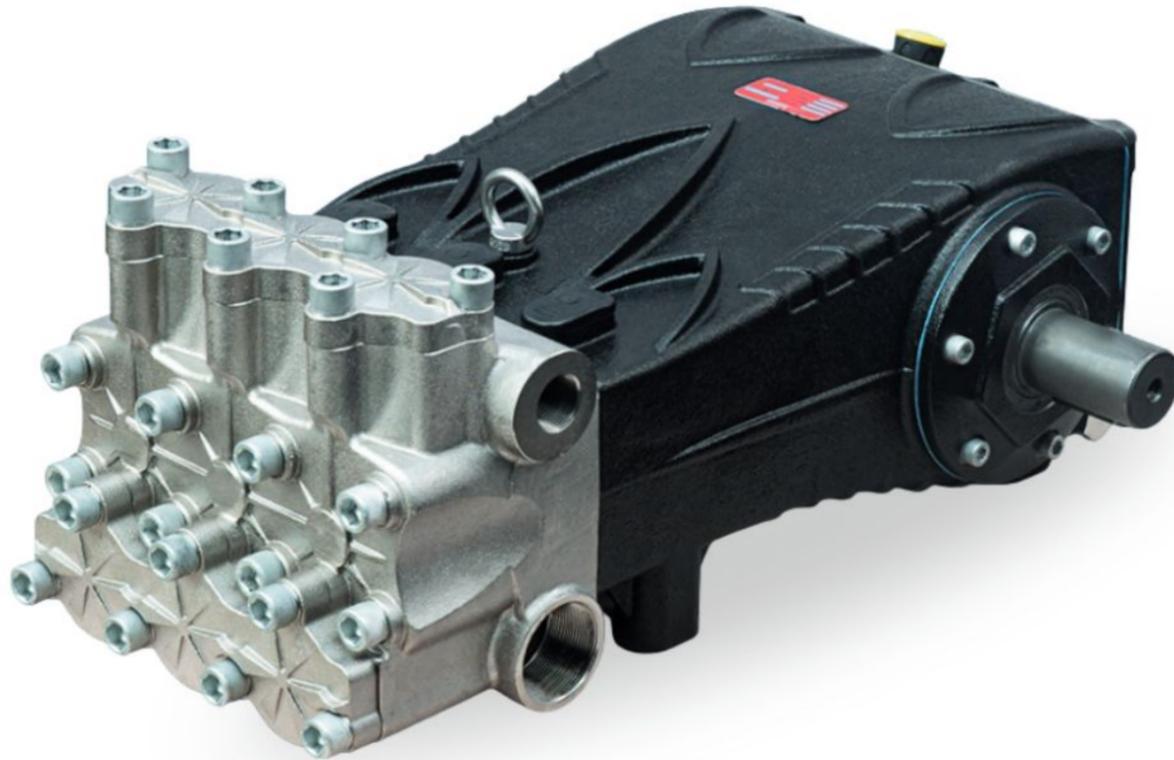
PF-GFH SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|-----------|-----------|------|----------|------|-----|----------------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-GFH 40 | 226 | 59.7 | 140 | 2030 | 13 | 1500/1800/2200 | 81 | 60 | 85 |



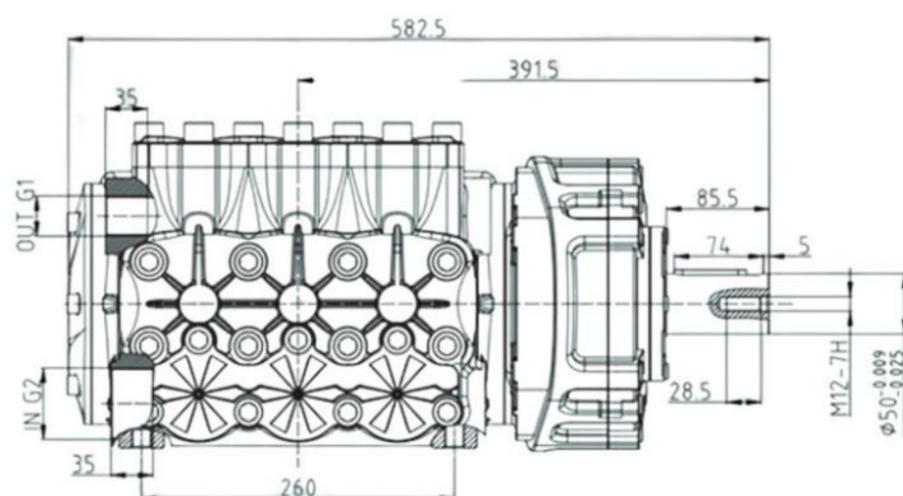
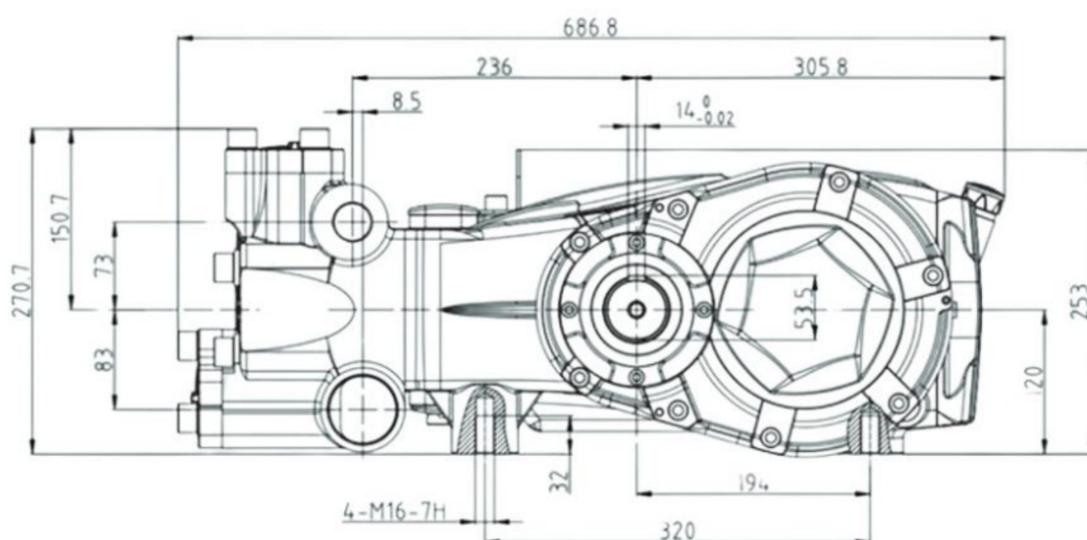
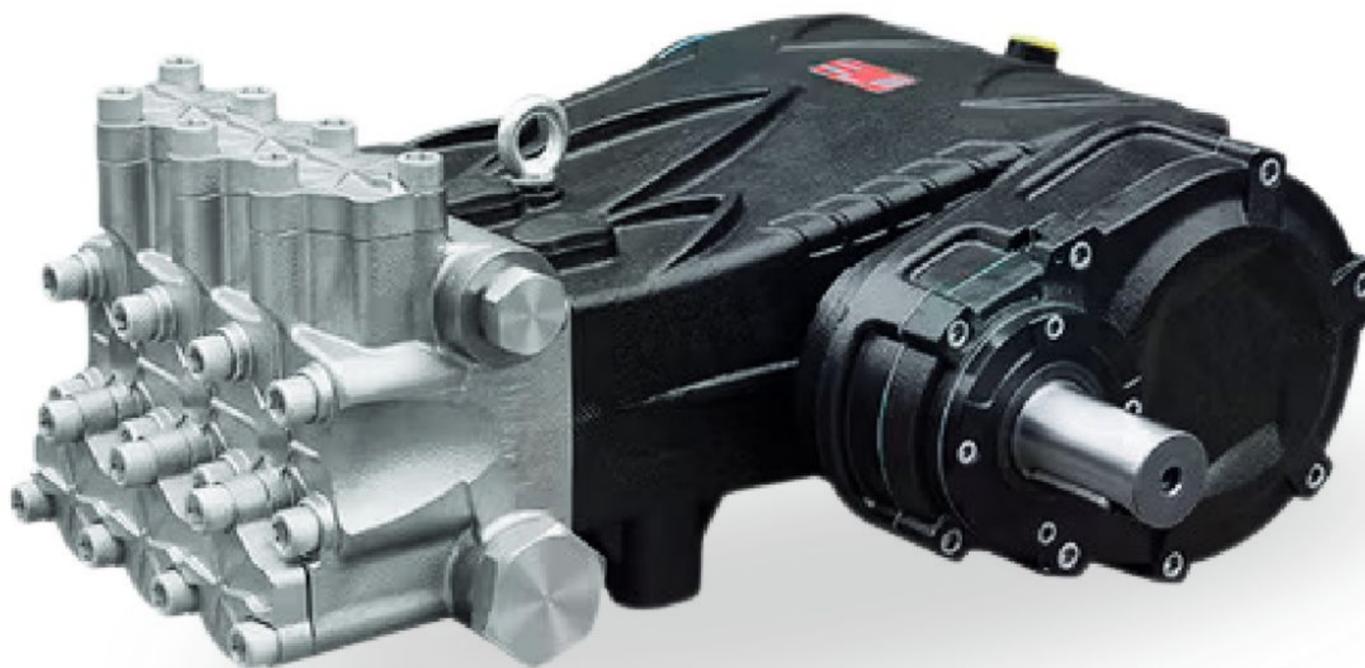
PF-UV SERIES



| Model | Flow Rate | | Pressure | | Speed r.p.m | Power | | Weight kg |
|-----------|-----------|------|----------|------|----------------|-------|----|--------------|
| | L/min | gpm | bar | psi | | hp | kw | |
| PF UV 3.5 | 213 | 56.2 | 200 | 2900 | 1000 | 109 | 85 | 162 |
| PF UV 4.0 | 226 | 58.7 | 180 | 2610 | 1000 | 104 | 82 | 162 |
| PF UV 4.5 | 242 | 63.9 | 170 | 2465 | 1000 | 106 | 83 | 162 |
| PF UV 5.0 | 267 | 69.5 | 160 | 2320 | 1100 | 110 | 86 | 162 |



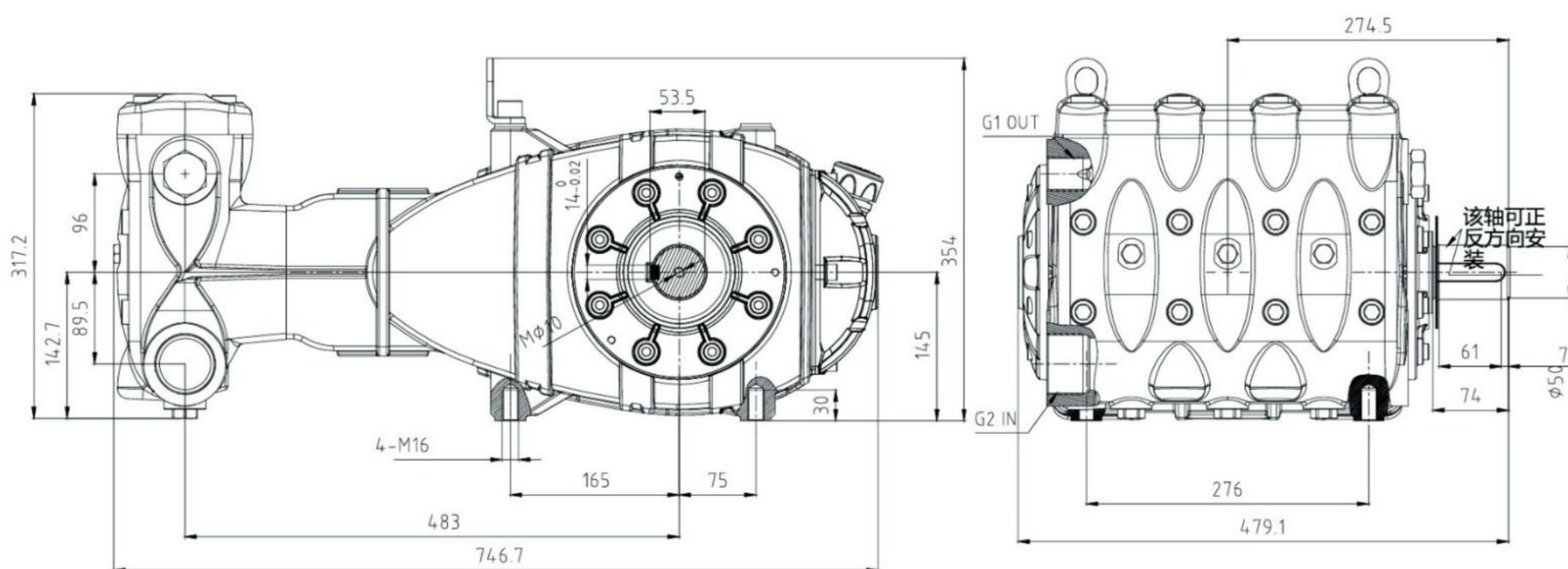
PF-UVH SERIES



| Input Speed speed ratio of reduction box and water pump speed | | r.p.m | 1000 | | 1500 | | 1800 |
|---|---------|---|------|-----|------|-----|------|
| | | i | 1.5 | 1.8 | 1.5 | 1.8 | 1.8 |
| | | r.p.m | 667 | 556 | 1000 | 833 | 1000 |
| Pressure (Bar) | Model | Output flow (L/min) and required power (kW) | | | | | |
| 330 | PFUVH28 | L/min | 62 | 51 | 92 | 77 | 92 |
| | | kW | 40 | 33 | 60 | 50 | 60 |
| 300 | PFUVH32 | L/min | 80 | 68 | 121 | 100 | 121 |
| | | kW | 47 | 40 | 71 | 59 | 71 |
| 280 | PFUVH36 | L/min | 102 | 85 | 153 | 127 | 153 |
| | | kW | 56 | 47 | 84 | 70 | 84 |
| 250 | PFUVH40 | L/min | 126 | 105 | 188 | 157 | 188 |
| | | kW | 62 | 51 | 92 | 77 | 92 |
| 220 | PFUVH45 | L/min | 159 | 133 | 239 | 199 | 239 |
| | | kW | 69 | 57 | 103 | 86 | 103 |



PF-FV SERIES

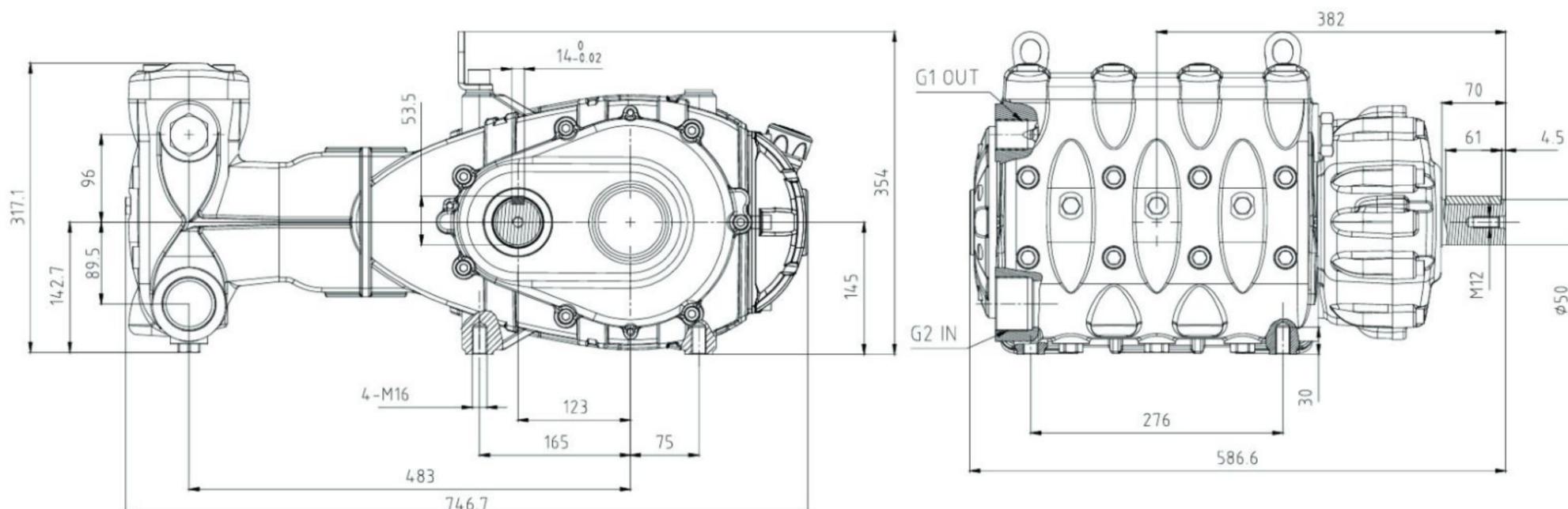


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| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|----------|-----------|-------|----------|------|-----|-------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-FV 32 | 168 | 44.9 | 250 | 3625 | 25 | 1000 | 113 | 83 | 209 |
| PF-FV 36 | 213 | 56.2 | 200 | 2900 | 20 | 1000 | 113 | 83 | 209 |
| PF-FV 40 | 263 | 69.5 | 160 | 2320 | 16 | 1000 | 113 | 83 | 209 |
| PF-FV 45 | 333 | 88 | 100 | 1450 | 10 | 1000 | 113 | 83 | 209 |
| PF-FV 50 | 330 | 87.2 | 130 | 1885 | 13 | 800 | 114 | 84 | 209 |
| PF-FV 55 | 399 | 105.4 | 100 | 1450 | 10 | 800 | 108 | 79 | 209 |



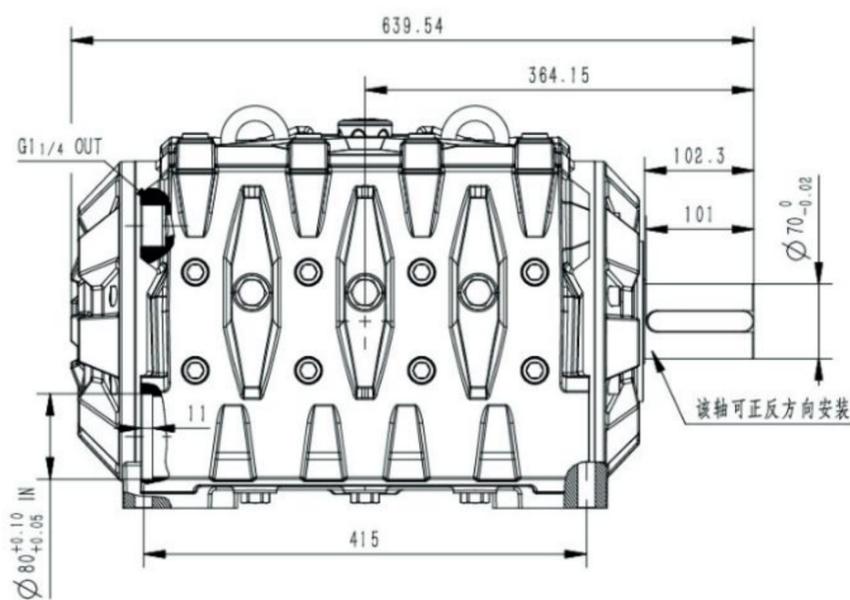
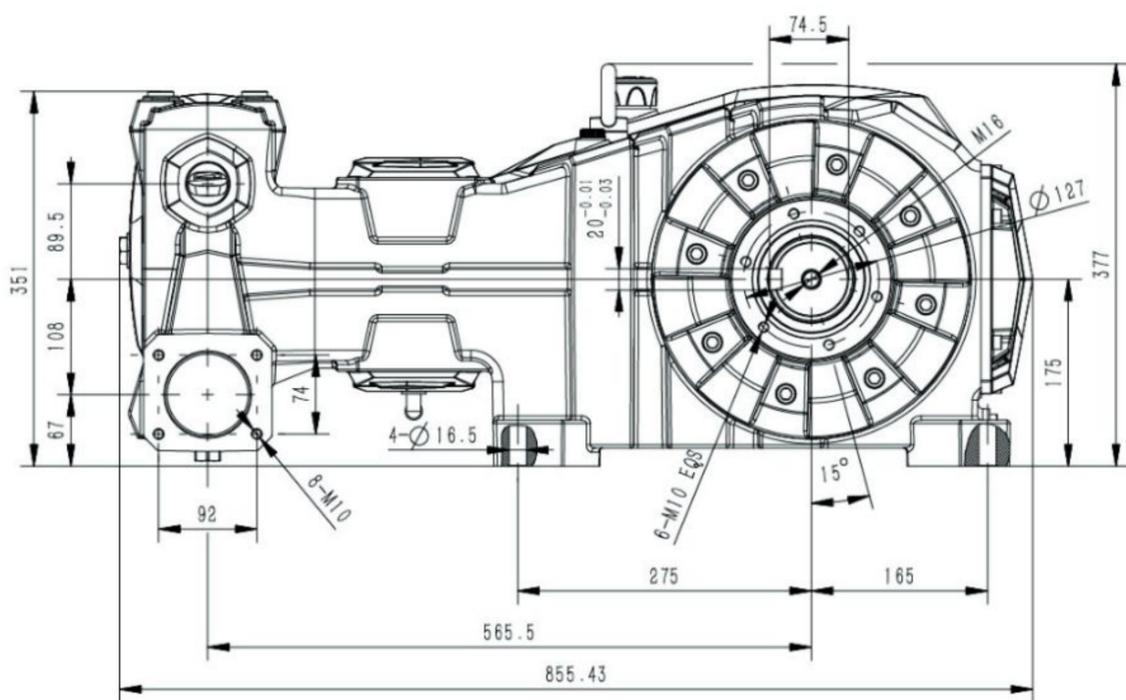
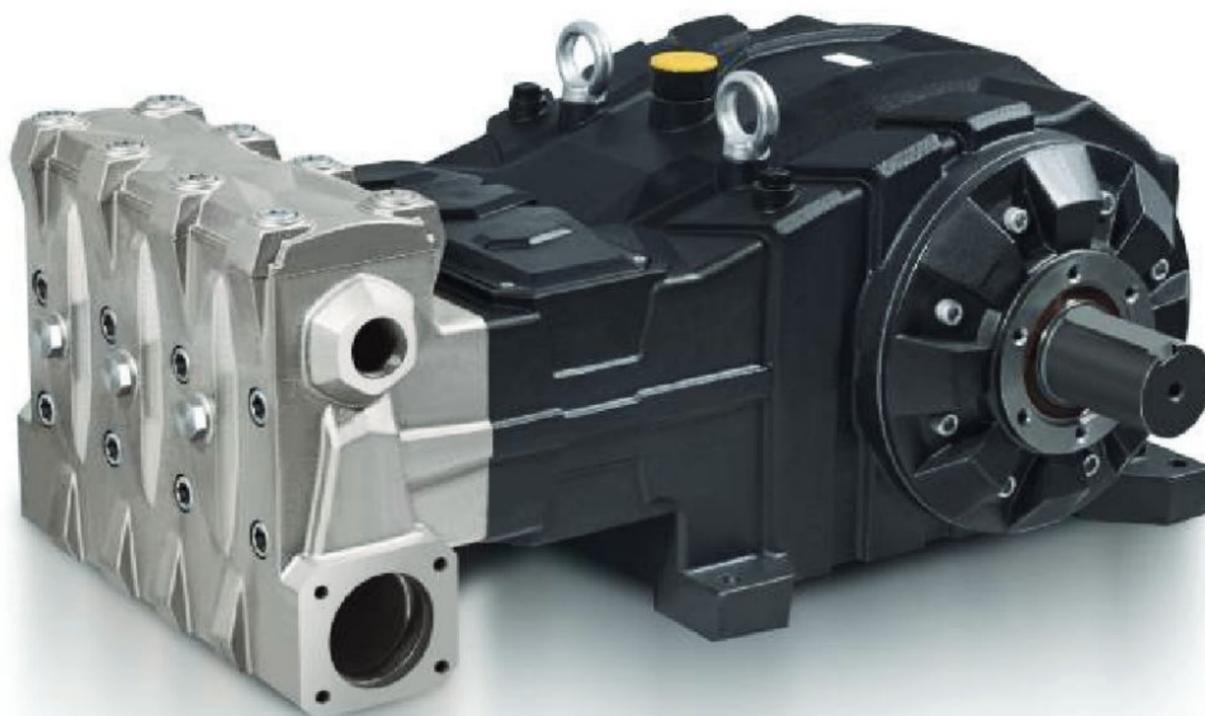
PF-FW SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|----------|-----------|-------|----------|------|------|----------------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-FW 32 | 135 | 35.7 | 300 | 4350 | 30 | 1500/1800/2200 | 110 | 80 | 239 |
| PF-FW 36 | 171 | 45.2 | 240 | 3480 | 24 | 1500/1800/2200 | 111 | 80 | 239 |
| PF-FW 40 | 211 | 55.7 | 210 | 3045 | 21 | 1500/1800/2200 | 120 | 87 | 239 |
| PF-FW 45 | 267 | 70.5 | 155 | 2248 | 15.5 | 1500/1800/2200 | 112 | 81 | 239 |
| PF-FW 50 | 330 | 87.2 | 125 | 1813 | 12.5 | 1500/1800/2200 | 112 | 82 | 239 |
| PF-FW 55 | 399 | 105.4 | 100 | 1450 | 10 | 1500/1800/2200 | 108 | 79 | 239 |



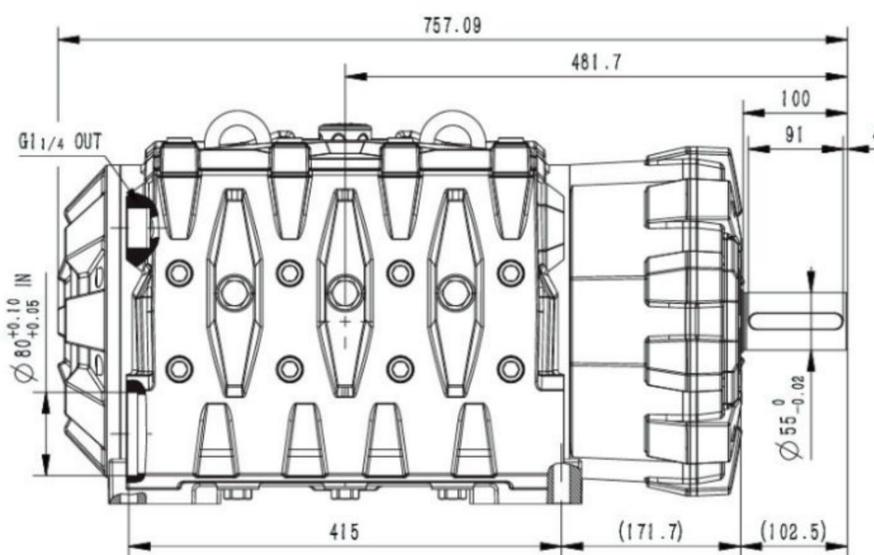
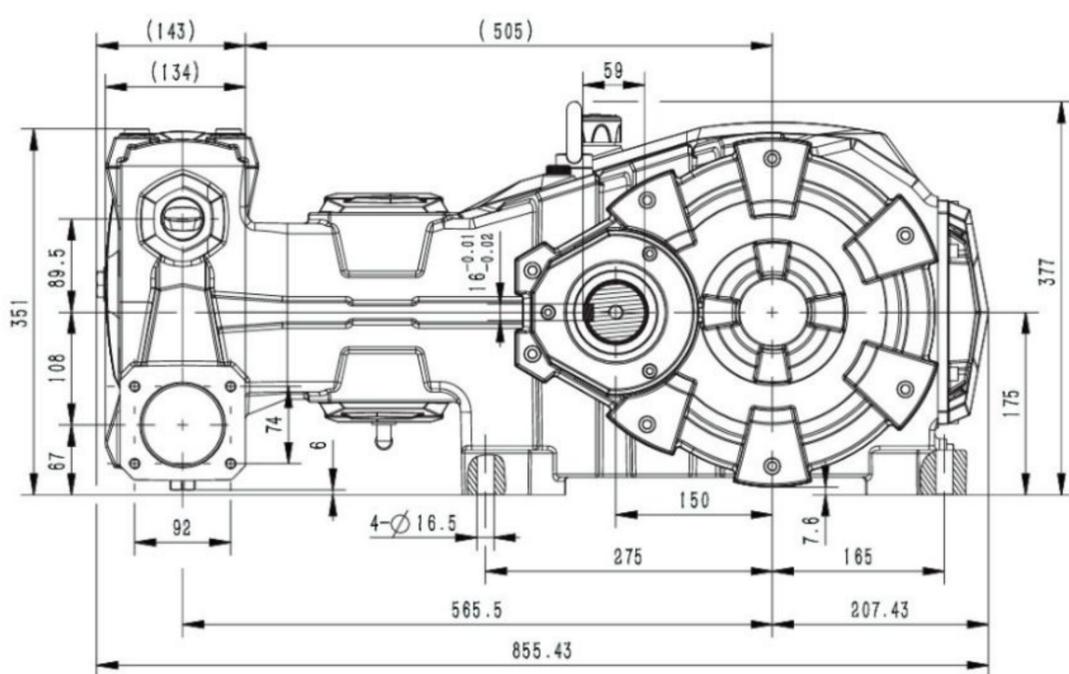
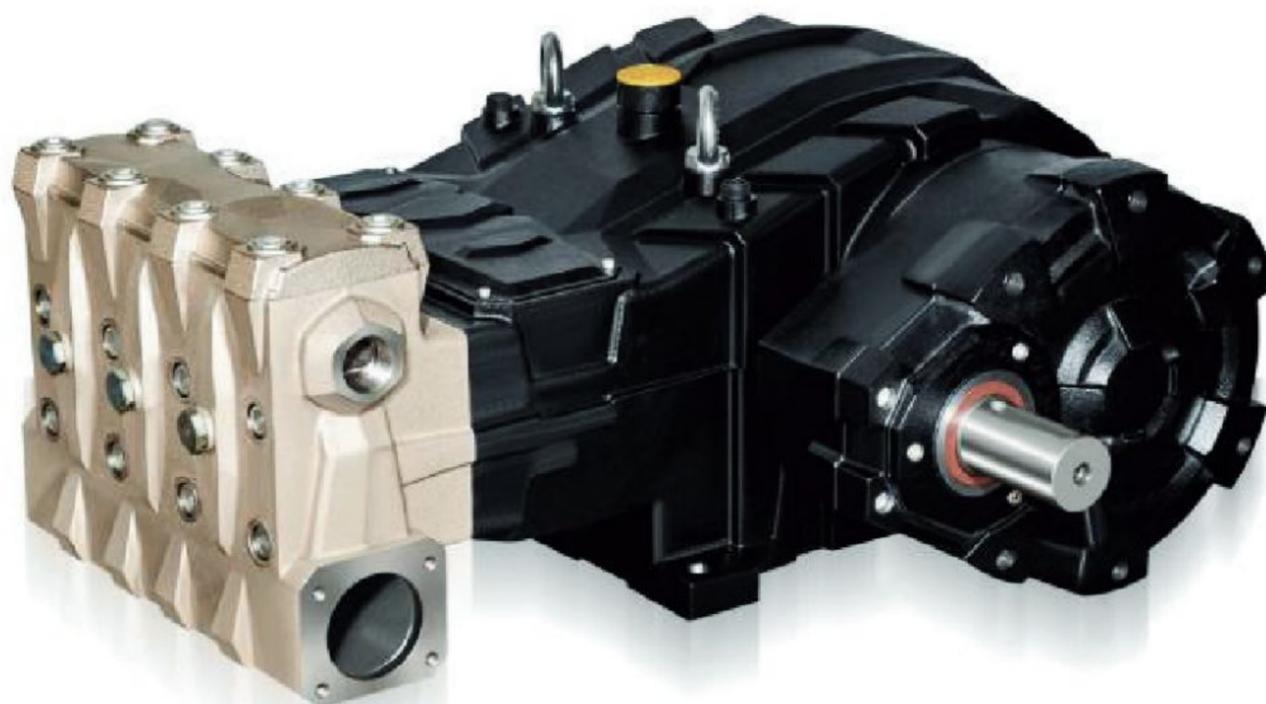
PF-FMV SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|-----------|-----------|------|----------|------|-----|-------|-------|-----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-FMV 40 | 203 | 53.7 | 400 | 5800 | 40 | 750 | 217 | 160 | 420 |
| PF-FMV 45 | 257 | 67.9 | 300 | 4350 | 30 | 750 | 205 | 151 | 420 |
| PF-FMV 50 | 318 | 84 | 250 | 3625 | 25 | 750 | 212 | 156 | 420 |
| PF-FMV 55 | 400 | 105 | 200 | 2900 | 20 | 750 | 205 | 151 | 420 |
| PF-FMV 60 | 458 | 121 | 150 | 2175 | 15 | 750 | 182 | 134 | 420 |
| PF-FMV 65 | 537 | 141 | 130 | 1885 | 13 | 750 | 186 | 137 | 420 |
| PF-FMV 70 | 496 | 131 | 100 | 1450 | 10 | 600 | 183 | 135 | 420 |



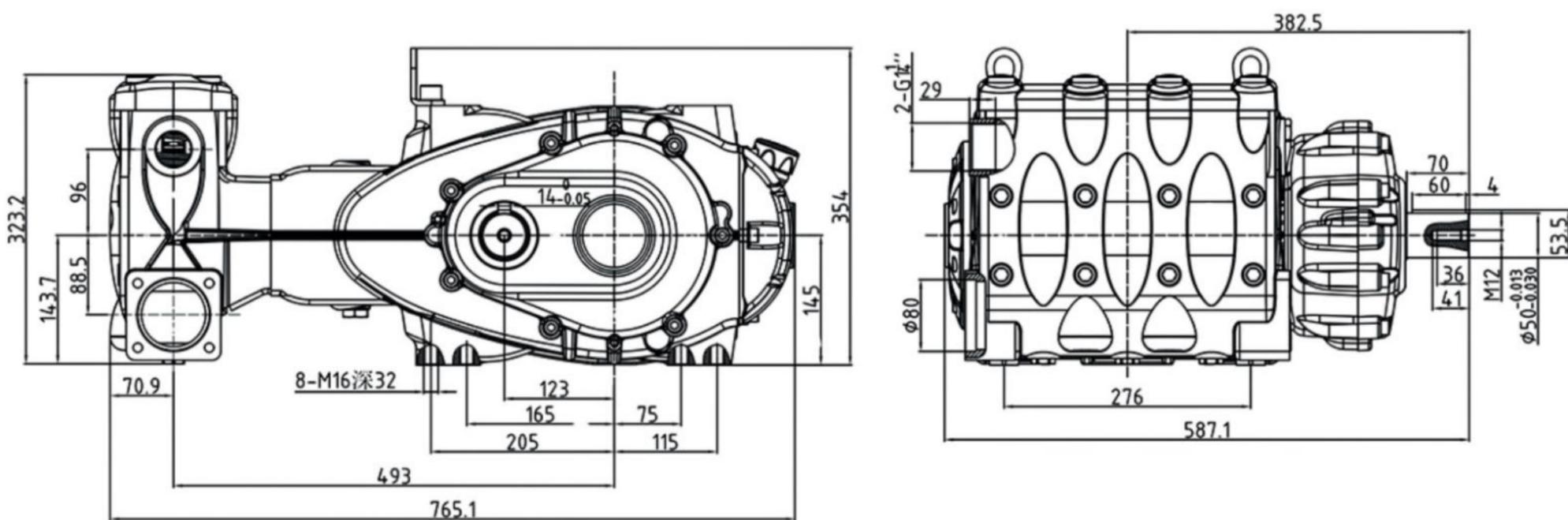
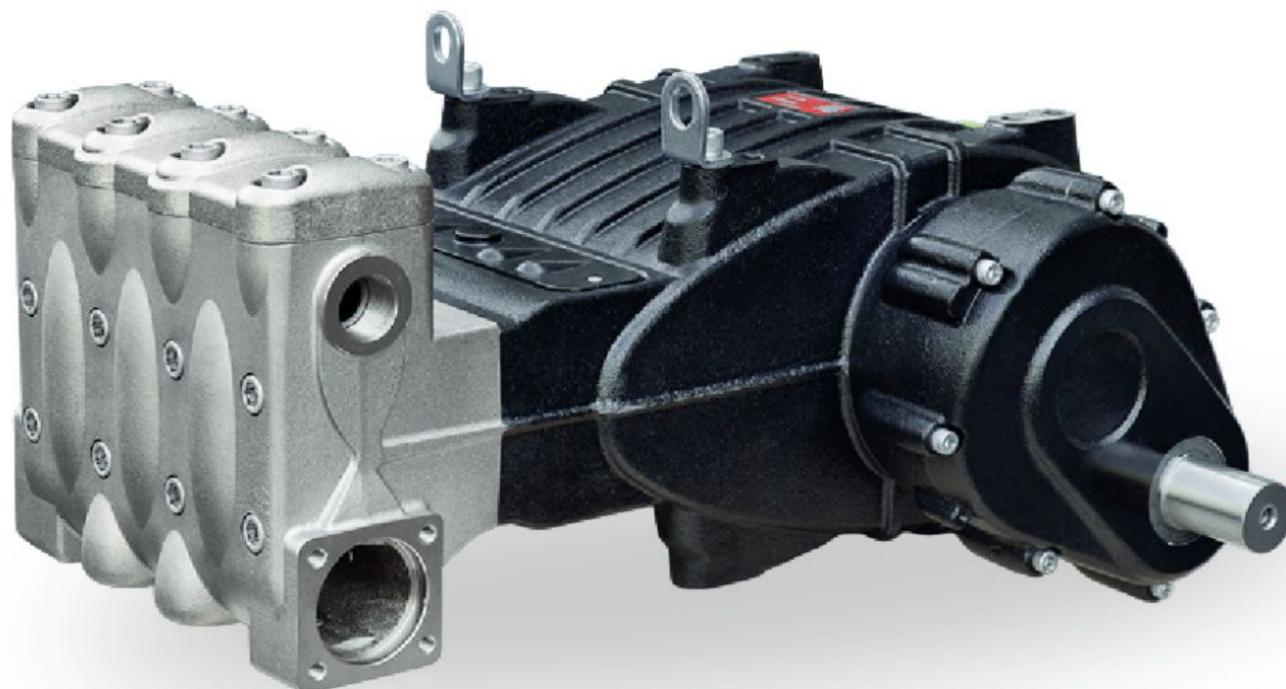
PF-FGS SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|-----------|-----------|-------|----------|------|-----|----------------|-------|-----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-FGS 40 | 183 | 48.4 | 400 | 5800 | 40 | 1500/1800/2200 | 190 | 140 | 480 |
| PF-FGS 45 | 232 | 61.3 | 300 | 4350 | 30 | 1500/1800/2200 | 181 | 133 | 480 |
| PF-FGS 50 | 287 | 75.8 | 250 | 3625 | 25 | 1500/1800/2200 | 186 | 137 | 480 |
| PF-FGS 55 | 347 | 91.7 | 220 | 3190 | 22 | 1500/1800/2200 | 181 | 133 | 480 |
| PF-FGS 60 | 413 | 109.1 | 200 | 2900 | 20 | 1500/1800/2200 | 182 | 134 | 480 |
| PF-FGS 65 | 485 | 128.1 | 180 | 2610 | 18 | 1500/1800/2200 | 189 | 139 | 480 |
| PF-FGS 70 | 561 | 148.1 | 100 | 1450 | 10 | 1500/1800/2200 | 183 | 135 | 480 |



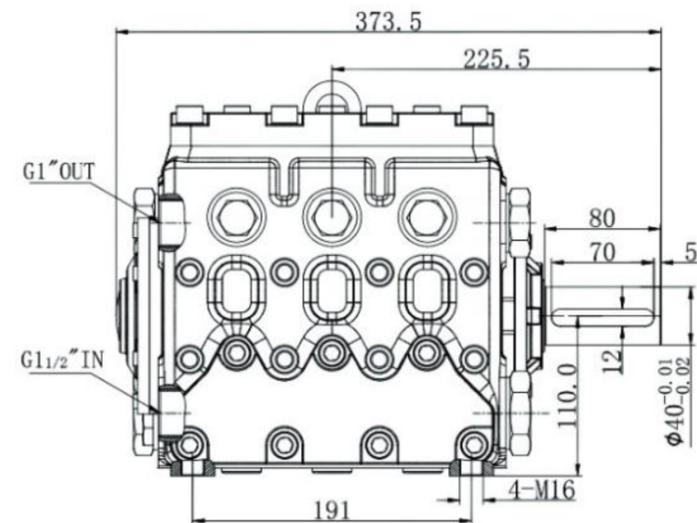
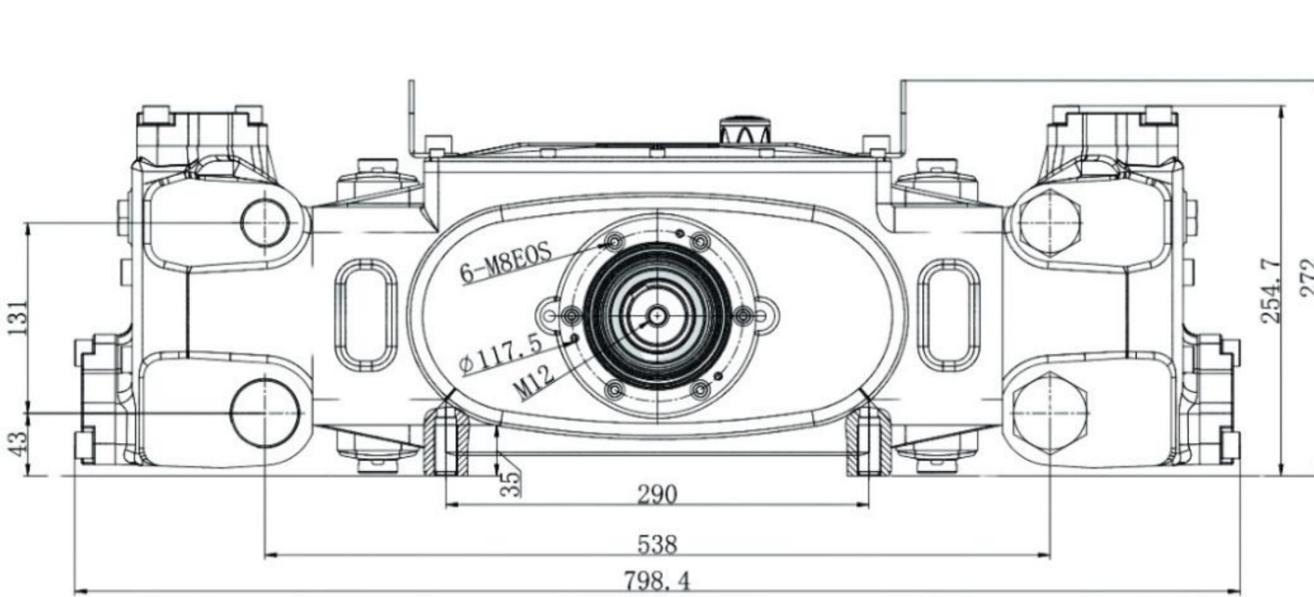
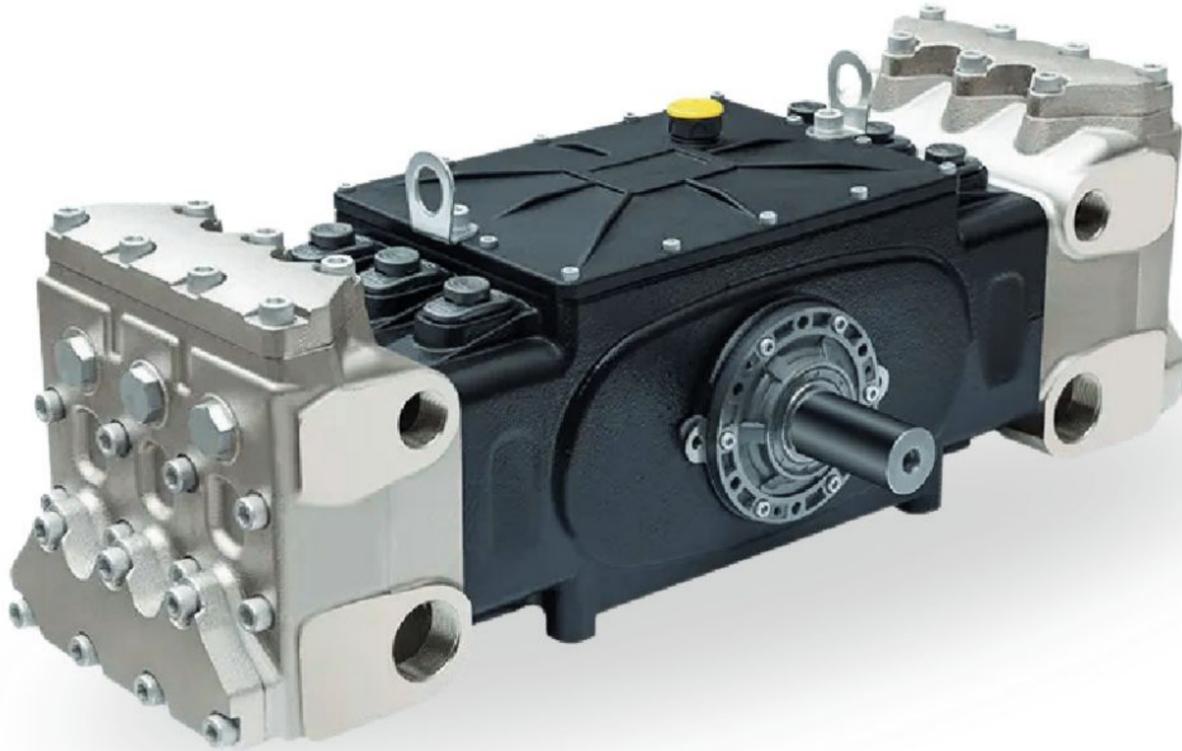
PF-XO SERIES



| Model | Flow Rate | | Max Pressure | | | Speed | Power | | Weight |
|-----------|-----------|-------|--------------|-------|------|--|-------|-----|--------|
| | L/min | gpm | bar | p.s.i | Mpa | | hp | kw | |
| PFXO 3.00 | 309 | 100.3 | 200 | 2900 | 12.5 | 1:1.52 / 1:1.62 / 1:1.72 / 1:1.83 / 1:2.24 | 128 | 121 | 258 |
| PFXO 3.30 | 360 | 87.1 | 200 | 2900 | 12.5 | 1500/1800/2200/2600/3200 | 112 | 127 | 258 |
| PFXO 3.50 | 338 | 92.4 | 180 | 2610 | 12.5 | 1500/1800/2200/2600/3200 | 120 | 133 | 258 |



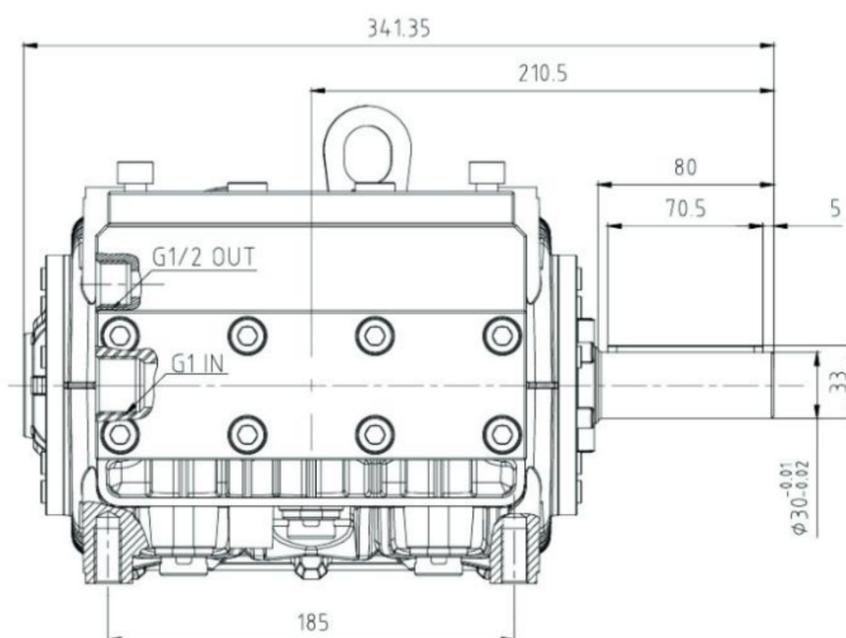
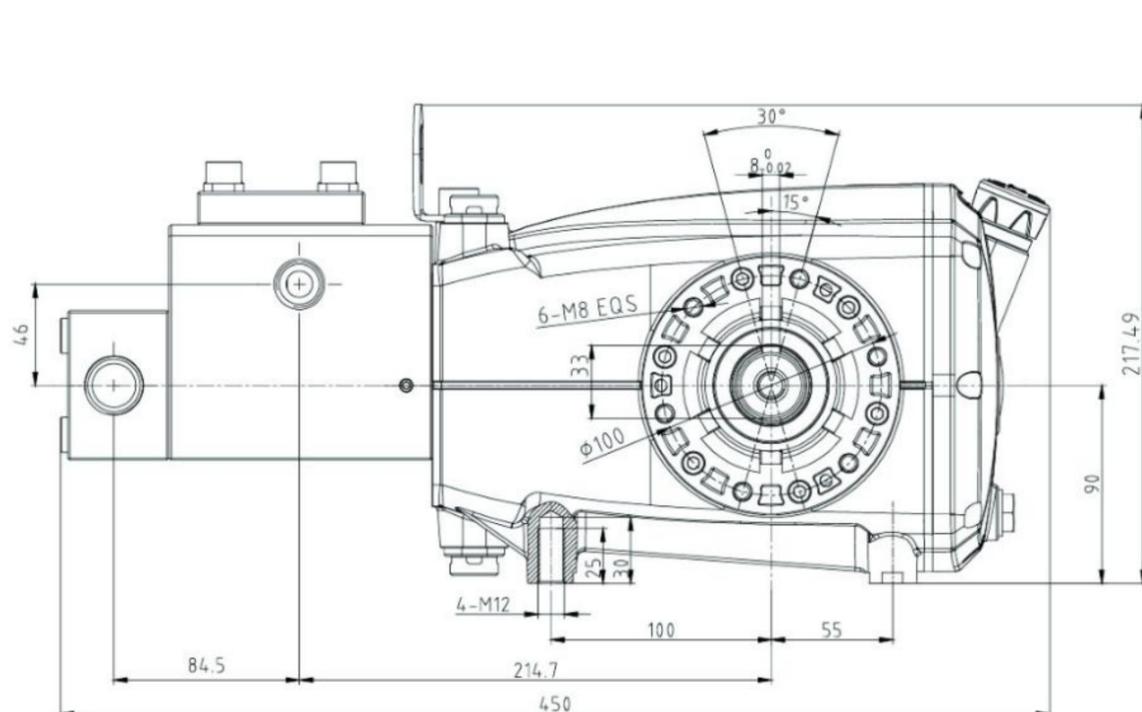
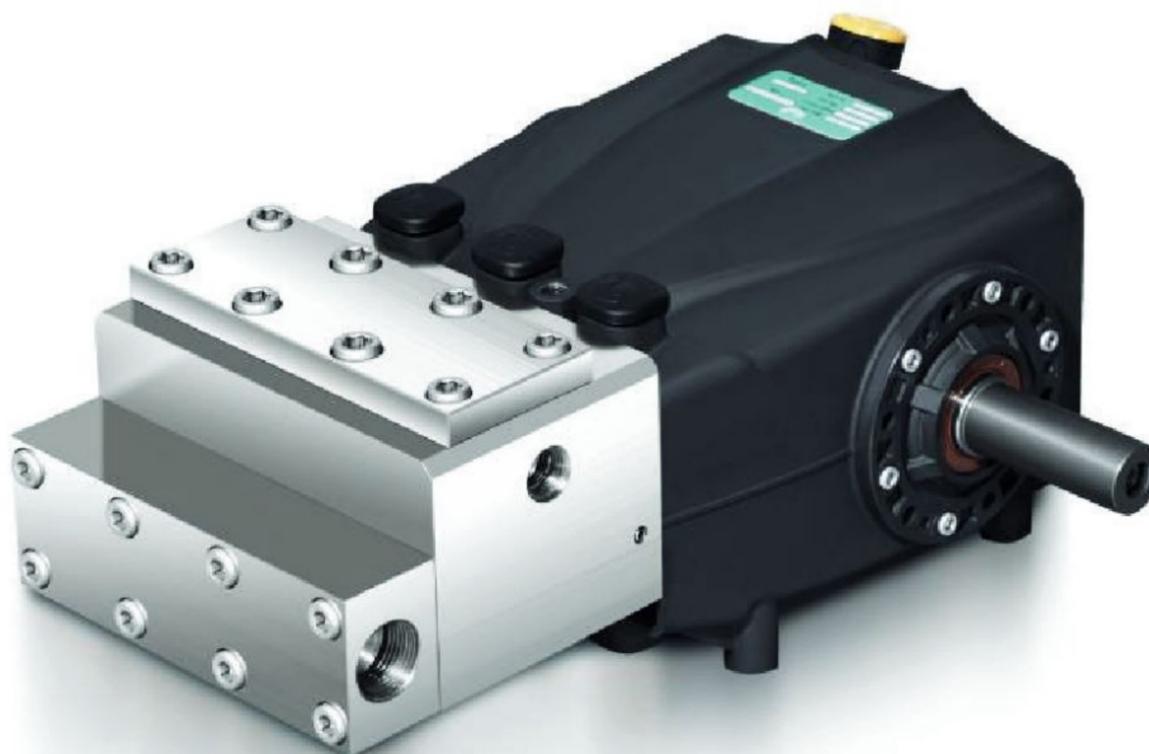
PF-SFP SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|-----------|-----------|-----|----------|------|-----|-------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-SFP 28 | 186 | 49 | 210 | 3045 | 21 | 1000 | 106 | 78 | 180 |



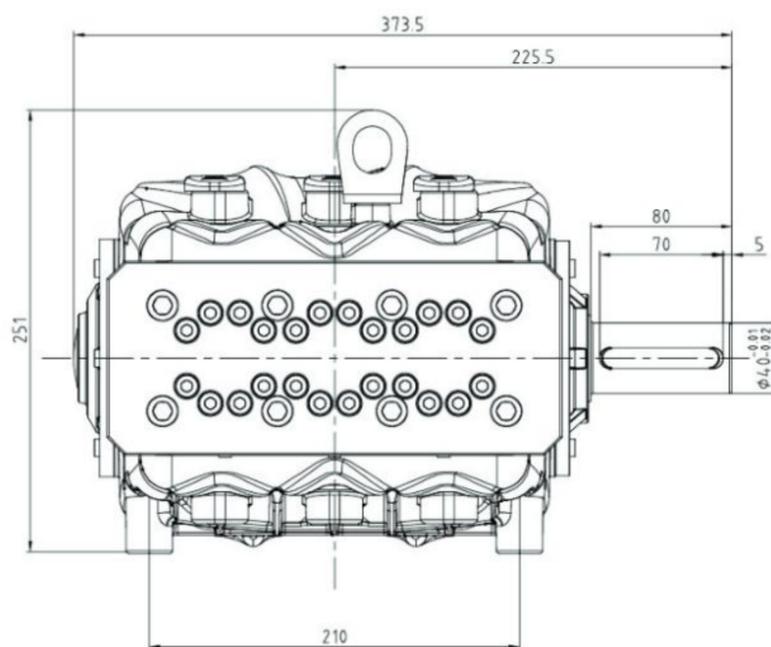
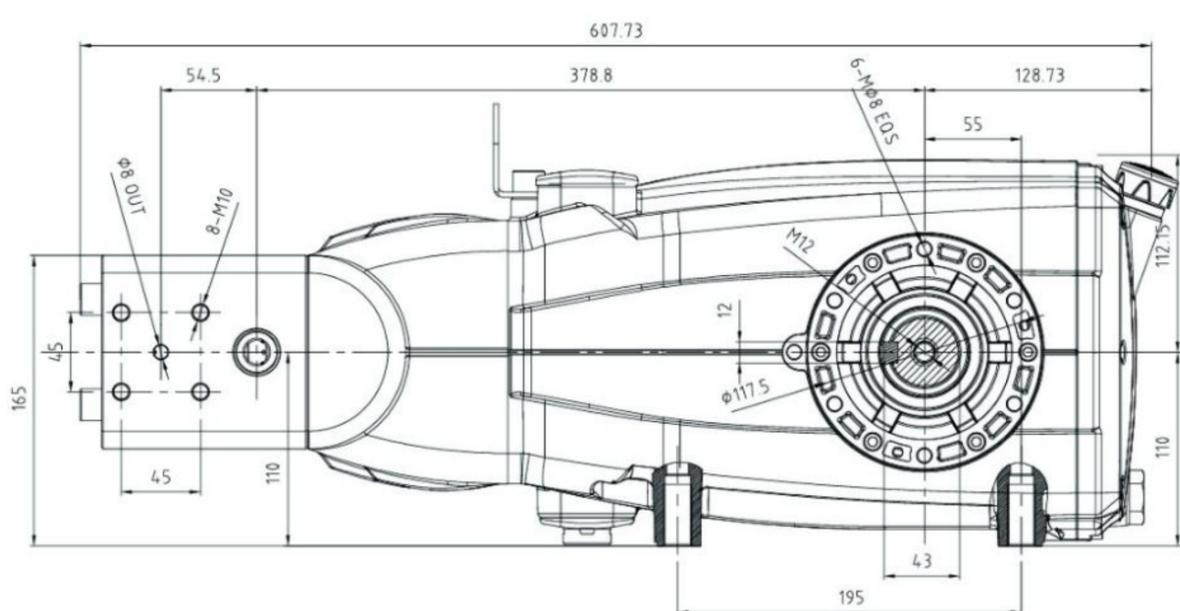
PF-GDT SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|-----------|-----------|------|----------|------|-----|-------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-GDT 18 | 29 | 7.6 | 600 | 8700 | 60 | 1450 | 46 | 34 | 39 |
| PF-GDT 20 | 36 | 9.5 | 450 | 6525 | 45 | 1450 | 42 | 31 | 39 |
| PF-GDT 22 | 43 | 11.3 | 300 | 4350 | 30 | 1450 | 34 | 25 | 39 |
| PF-GDT 25 | 56 | 14.8 | 250 | 3625 | 25 | 1450 | 37 | 27 | 39 |



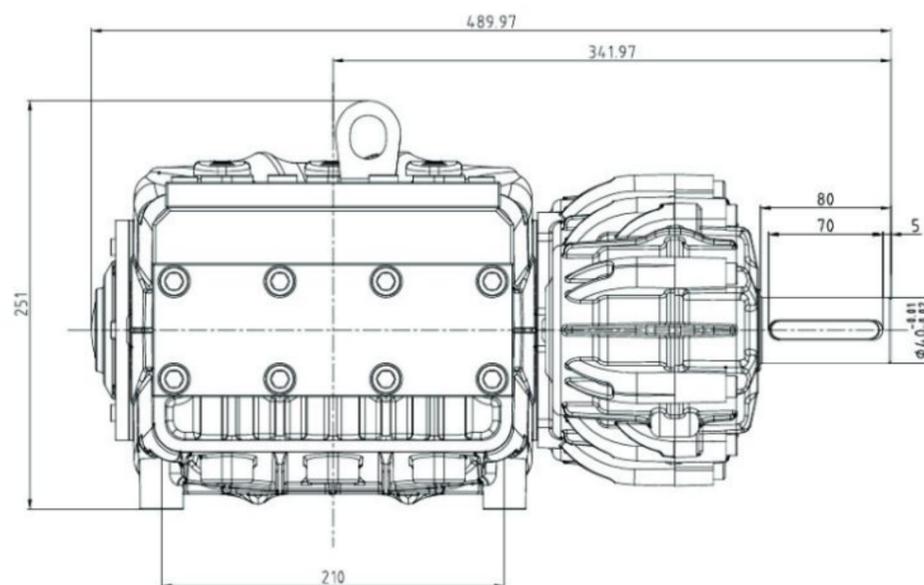
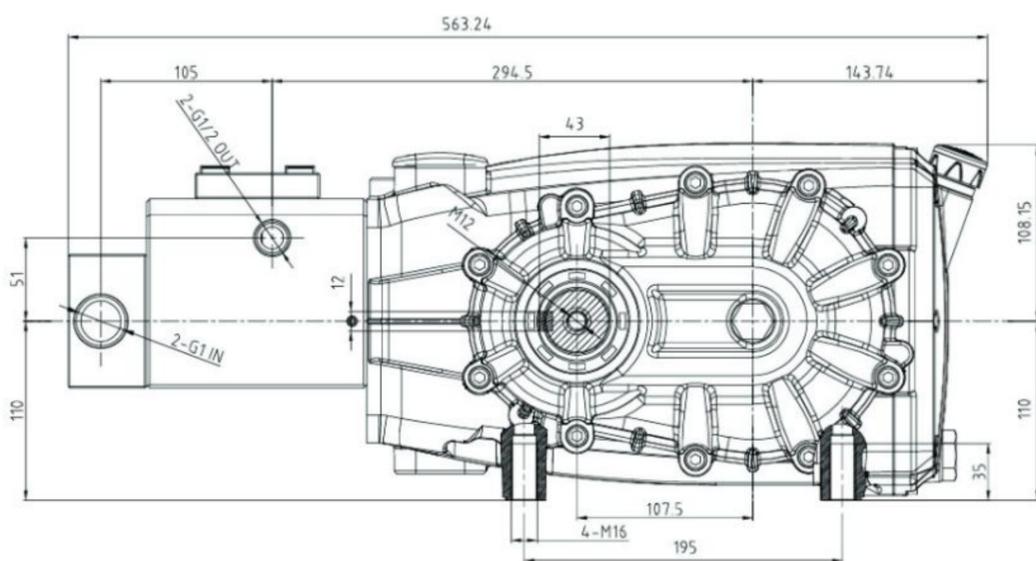
PF-GTF SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|-----------|-----------|-----|----------|-------|-----|-------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-GTF 10 | 8.2 | 2.2 | 2000 | 29000 | 200 | 700 | 44 | 33 | 65.5 |
| PF-GTF 12 | 14 | 3.7 | 1500 | 21750 | 150 | 800 | 55 | 40 | 65.5 |
| | 17 | 4.5 | 1500 | 21750 | 150 | 1000 | 69 | 50 | 65.5 |
| PF-GTF 14 | 18.5 | 5 | 1100 | 15950 | 110 | 800 | 54 | 40 | 65.5 |
| | 23 | 6.1 | 900 | 13050 | 90 | 1000 | 54 | 40 | 65.5 |



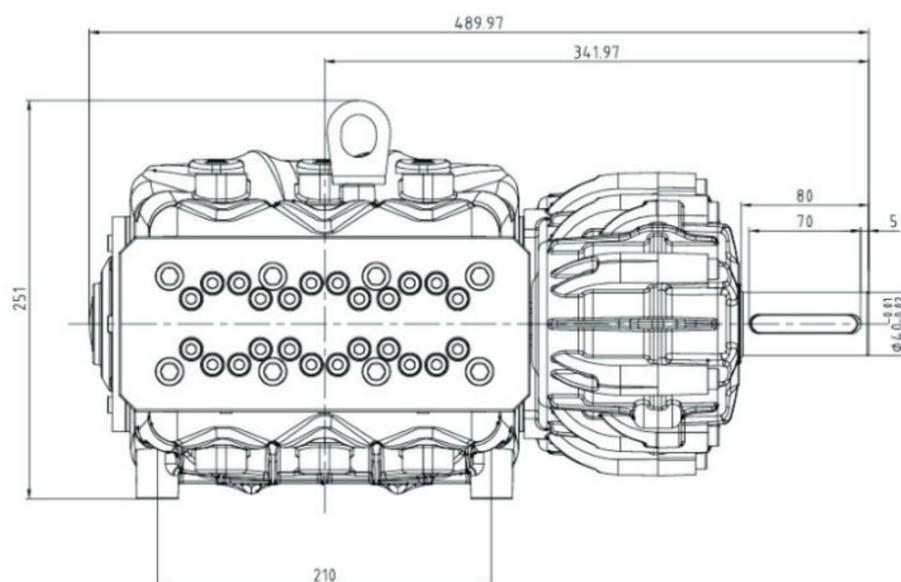
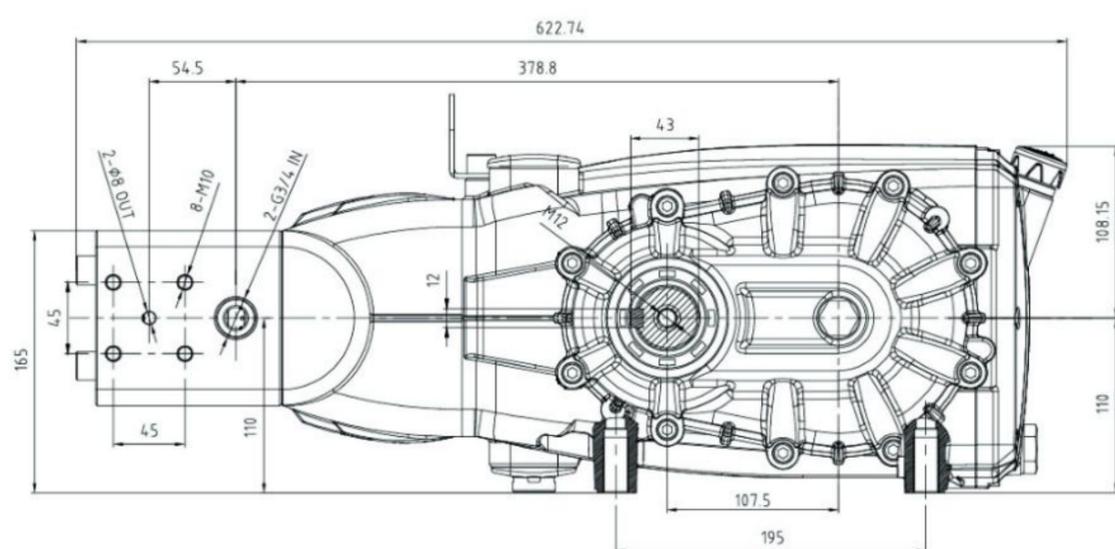
PF-GDFH SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|------------|-----------|------|----------|------|-----|----------------|-------|----|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-GDFH 18 | 45 | 11.9 | 600 | 8700 | 60 | 1500/1800/2200 | 71 | 52 | 65.5 |
| PF-GDFH 20 | 56 | 14.8 | 500 | 7250 | 50 | 1500/1800/2200 | 73 | 54 | 65.5 |
| PF-GDFH 22 | 68 | 18 | 400 | 5800 | 40 | 1500/1800/2200 | 71 | 52 | 65.5 |
| PF-GDFH 25 | 88 | 23.2 | 300 | 4350 | 30 | 1500/1800/2200 | 71 | 52 | 65.5 |



PF-GTFH SERIES



| Model | Flow Rate | | Pressure | | | Rpm | Power | | Weight |
|------------|-----------|-----|----------|-------|-----|----------------|-------|------|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | Kgs |
| PF-GTFH 10 | 8.2 | 2.2 | 2000 | 29000 | 200 | 1500/1800/2200 | 43.9 | 32.5 | 78 |
| PF-GTFH 12 | 20 | 5.3 | 1500 | 21750 | 150 | 1500/1800/2200 | 75 | 55 | 78 |
| PF-GTFH 14 | 28 | 7.4 | 1100 | 15950 | 110 | 1500/1800/2200 | 75 | 55 | 78 |



PF-TFH

| Model | Flow Rate | | Pressure | | | Speed (r.p.m) | | | | Power | | Weight |
|-------|-----------|-----|----------|-------|-----|---------------------|--------|--------|-------|-------|----|--------|
| | L/min | gpm | bar | p.s.i | Mpa | 1:25 | 1:1.48 | 1:1.82 | 1:2.1 | hp | kw | kg |
| TFH10 | 14 | 3.7 | 2000 | 29000 | 200 | 1500/1800/2200/2600 | | | | 75 | 55 | 78 |
| TFH12 | 20 | 5.3 | 1500 | 21750 | 150 | 1500/1800/2200/2600 | | | | 75 | 55 | 78 |
| TFH14 | 28 | 7.4 | 1100 | 15950 | 110 | 1500/1800/2200/2600 | | | | 75 | 55 | 78 |



PF-XWU

| Model | Flow Rate | | Pressure | | | Speed/Speed Ratio | | | Power | | Plunger Diameter | Crankshaft Stroke | Speed |
|-------|-----------|-----|----------|-------|-----|-------------------|--------|--------|-------|----|------------------|-------------------|-------|
| | L/min | gpm | bar | p.s.i | Mpa | 1:1.62 | 1:1.83 | 1:2.24 | hp | kw | mm | mm | r.p.m |
| XWU14 | 27 | 7 | 1600 | 23200 | 160 | 1500/1800/2200 | | | 113 | 83 | 14.2875 | 70 | 804 |
| XWU16 | 33 | 9 | 1300 | 18850 | 130 | 1500/1800/2200 | | | 113 | 83 | 15.875 | 70 | 804 |
| XWU19 | 48 | 13 | 900 | 13050 | 90 | 1500/1800/2200 | | | 113 | 83 | 19.05 | 70 | 804 |
| XWU22 | 65 | 17 | 700 | 10150 | 70 | 1500/1800/2200 | | | 119 | 88 | 22.22 | 70 | 804 |



PF-MGU

| Model | Flow Rate | | Pressure | | | Speed/Speed Ratio | | | Power | | Plunger Diameter | Crankshaft Stroke | Speed |
|-------|-----------|-----|----------|-------|-----|-------------------|--------|--------|-------|-----|------------------|-------------------|-------|
| | L/min | gpm | bar | p.s.i | Mpa | 1:1.92 | 1:2.17 | 1:2.65 | hp | kw | mm | mm | r.p.m |
| MGU12 | 19 | 5 | 2700 | 39150 | 270 | 1500/1800/2200 | | | 130 | 96 | 12.7 | 72 | 679 |
| MGU14 | 24 | 6 | 2500 | 36250 | 250 | 1500/1800/2200 | | | 153 | 112 | 14.2875 | 72 | 679 |
| MGU16 | 29 | 8 | 2000 | 29000 | 200 | 1500/1800/2200 | | | 151 | 111 | 15.875 | 72 | 679 |
| MGU19 | 42 | 11 | 1400 | 20300 | 140 | 1500/1800/2200 | | | 152 | 112 | 19.05 | 72 | 679 |
| MGU22 | 57 | 15 | 1200 | 17400 | 120 | 1500/1800/2200 | | | 177 | 130 | 22.22 | 72 | 679 |



PF-TM

| Model | Flow Rate/Speed | | | | | | Pressure | | | Power | | | Weight |
|-------|-----------------|------|---------|------|---------|------|----------|-----|-------|---------|---------|---------|--------|
| | 980rpm | | 1450rpm | | 1750rpm | | | | | 980rpm | 1450rpm | 1750rpm | |
| | L/min | gpm | L/min | gpm | L/min | gpm | bar | Mpa | p.s.i | hp/kw | hp/kw | hp/kw | |
| TM18 | 23 | 6.1 | 28 | 7.4 | 27.5 | 7.3 | 2500 | 250 | 36250 | 155/115 | 190/140 | 186/137 | 485 |
| TM20 | 32 | 8.5 | 34.9 | 9.2 | 33.8 | 8.9 | 2000 | 200 | 29000 | 180/133 | 197/145 | 191/141 | 485 |
| TM20 | 32 | 8.5 | 34.9 | 9.2 | 33.8 | 8.9 | 1500 | 150 | 21750 | 136/100 | 150/110 | 143/105 | 485 |
| TM22 | 38.6 | 10.2 | 42 | 11.1 | 41 | 10.8 | 1400 | 130 | 20300 | 143/108 | 160/117 | 150/111 | 485 |
| TM24 | 46 | 12.2 | 50 | 13.2 | 48.7 | 12.9 | 1100 | 110 | 15950 | 143/105 | 155/115 | 150/111 | 485 |
| TM26 | 54 | 14.3 | 59 | 15.6 | 57 | 15 | 900 | 90 | 13050 | 143/105 | 155/115 | 150/111 | 485 |
| TM28 | 62.5 | 16.5 | 68 | 18 | 71.5 | 18.9 | 800 | 80 | 11600 | 143/105 | 155/115 | 150/111 | 485 |
| TM30 | 71.8 | 18.9 | 78.5 | 20.7 | 76 | 20 | 700 | 70 | 10150 | 143/105 | 155/115 | 150/111 | 485 |



PF-TN

| Model | Flow Rate | | Pressure | | | Rpm | Power | | Crankshaft Stroke | Weight |
|-------|-----------|------|----------|-------|-----|-------|-------|-----|-------------------|--------|
| | L/min | gpm | bar | psi | Mpa | r.p.m | hp | kW | mm | Kgs |
| TN17 | 40 | 2.4 | 2800 | 40600 | 280 | 450 | 298 | 219 | 130 | 1500 |
| TN18 | 45 | 2.7 | 2800 | 40600 | 280 | 450 | 334 | 245 | 130 | 1500 |
| TN20 | 55 | 3.3 | 2500 | 36250 | 250 | 450 | 368 | 270 | 130 | 1500 |
| TN22 | 67 | 4.02 | 2000 | 29000 | 200 | 450 | 356 | 262 | 130 | 1500 |



PF-NJ

| Input Speed Reducer Speed Ratio Pump Speed | | r.p.m | 1000 | | | 1500 | | | 1800 | | 2200 |
|--|--------|---|------|-------|------|-------|------|-------|------|-------|------|
| | | i | 2.89 | 3.46 | 4.23 | 2.89 | 3.46 | 4.23 | 3.46 | 4.23 | 4.23 |
| | | r.p.m | 346 | 289 | 236 | 519 | 434 | 355 | 520 | 426 | 520 |
| Pressure (bar) | Model | Output flow (L/min) and required power (kW) | | | | | | | | | |
| | | L/min | kW | L/min | kW | L/min | kW | L/min | kW | L/min | kW |
| 400 | NJ50 | L/min | 183 | 153 | 125 | 275 | 230 | 188 | 275 | 225 | 275 |
| | | kW | 144 | 121 | 99 | 216 | 181 | 148 | 216 | 178 | 216 |
| | NJS50 | L/min | 264 | 221 | 180 | 398 | 332 | 271 | 398 | 326 | 398 |
| | | kW | 208 | 174 | 142 | 313 | 261 | 214 | 313 | 255 | 313 |
| 350 | NJ55 | L/min | 221 | 185 | 151 | 333 | 278 | 227 | 333 | 273 | 333 |
| | | kW | 152 | 128 | 104 | 229 | 191 | 156 | 229 | 188 | 229 |
| | NJS55 | L/min | 320 | 267 | 218 | 481 | 402 | 328 | 481 | 394 | 481 |
| | | kW | 220 | 184 | 150 | 331 | 276 | 226 | 331 | 271 | 331 |
| 300 | NJ60 | L/min | 264 | 220 | 180 | 396 | 331 | 271 | 396 | 325 | 396 |
| | | kW | 156 | 130 | 106 | 233 | 195 | 160 | 233 | 194 | 233 |
| | NJS60 | L/min | 381 | 318 | 260 | 573 | 478 | 391 | 573 | 469 | 573 |
| | | kW | 225 | 188 | 153 | 338 | 282 | 230 | 338 | 276 | 338 |
| 250 | NJ65 | L/min | 209 | 258 | 211 | 465 | 388 | 318 | 465 | 381 | 465 |
| | | kW | 103 | 127 | 104 | 228 | 191 | 156 | 228 | 188 | 228 |
| | NJS65 | L/min | 447 | 374 | 304 | 672 | 561 | 459 | 672 | 551 | 672 |
| | | kW | 220 | 184 | 150 | 330 | 276 | 226 | 330 | 271 | 330 |
| 220 | NJ70 | L/min | 243 | 300 | 245 | 540 | 450 | 368 | 540 | 442 | 540 |
| | | kW | 105 | 130 | 106 | 233 | 195 | 160 | 233 | 191 | 233 |
| | NJS70 | L/min | 519 | 433 | 354 | 780 | 651 | 532 | 780 | 639 | 780 |
| | | kW | 224 | 188 | 153 | 337 | 281 | 230 | 337 | 276 | 337 |
| 200 | NJ75 | L/min | 412 | 344 | 281 | 620 | 517 | 423 | 620 | 508 | 620 |
| | | kW | 162 | 136 | 111 | 244 | 203 | 166 | 244 | 200 | 244 |
| | NJS75 | L/min | 596 | 497 | 406 | 895 | 747 | 611 | 895 | 733 | 895 |
| | | kW | 234 | 196 | 160 | 352 | 294 | 240 | 352 | 288 | 352 |
| 170 | NJ80 | L/min | 469 | 192 | 320 | 705 | 589 | 481 | 705 | 578 | 705 |
| | | kW | 157 | 131 | 107 | 236 | 197 | 161 | 236 | 193 | 236 |
| | NJS80 | L/min | 678 | 566 | 462 | 1019 | 750 | 395 | 1019 | 935 | 1019 |
| | | kW | 226 | 189 | 155 | 340 | 284 | 232 | 340 | 279 | 340 |
| 150 | NJ85 | L/min | 530 | 442 | 361 | 796 | 664 | 543 | 796 | 652 | 796 |
| | | kW | 156 | 131 | 107 | 235 | 196 | 160 | 235 | 192 | 235 |
| | NJS85 | L/min | 765 | 639 | 522 | 1150 | 960 | 785 | 1150 | 942 | 1150 |
| | | kW | 226 | 189 | 154 | 339 | 293 | 231 | 339 | 278 | 339 |
| 130 | NJ90 | L/min | 594 | 496 | 405 | 893 | 745 | 609 | 893 | 731 | 893 |
| | | kW | 152 | 127 | 104 | 228 | 190 | 155 | 228 | 186 | 228 |
| | NJS90 | L/min | 858 | 717 | 585 | 1290 | 1076 | 880 | 1290 | 1056 | 1290 |
| | | kW | 219 | 183 | 150 | 329 | 275 | 225 | 329 | 270 | 329 |
| 120 | NJ95 | L/min | 662 | 553 | 451 | 995 | 830 | 679 | 995 | 815 | 995 |
| | | kW | 156 | 131 | 107 | 235 | 196 | 160 | 235 | 192 | 235 |
| | NJS95 | L/min | 956 | 798 | 652 | 1437 | 1199 | 981 | 1437 | 1177 | 1437 |
| | | kW | 225 | 188 | 154 | 339 | 283 | 231 | 339 | 277 | 339 |
| 110 | NJ100 | L/min | 733 | 612 | 500 | 1102 | 920 | 752 | 1102 | 903 | 1102 |
| | | kW | 158 | 133 | 108 | 238 | 199 | 163 | 238 | 195 | 238 |
| | NJS100 | L/min | 1059 | 885 | 722 | 1592 | 1329 | 1087 | 1592 | 1304 | 1592 |
| | | kW | 229 | 191 | 156 | 344 | 288 | 235 | 344 | 282 | 344 |



PF-TW

| Model | Flow Rate | | Pressure | | | Rpm | Power | | Plunger Diameter | Crankshaft Stroke | Weight |
|-------|-----------|------|----------|-------|-----|-----|-------|-----|------------------|-------------------|--------|
| | L/min | gpm | bar | psi | Mpa | | hp | kW | | | |
| TW20 | 45 | 11.9 | 2800 | 40600 | 280 | 473 | 338 | 252 | 20.1 | 100 | 1175 |



PRESSURE UNLOADER VALVE



VC external adjustment pressure regulator-G1/4



VC Inner back pressure regulator-3/8



VC inner back pressure regulator-1/4



VC inner back pressure regulator-1/4

| Model | Max Flow | | Max Pressure | | The rated temperature | Inlet | Outlet | By-pass | Weight |
|--|----------|------|--------------|------|-----------------------|-------|--------|---------|--------|
| | L/min | gpm | bar | psi | °C | " | " | " | kg |
| VC external adjustment pressure regulator-G1/4 | 35 | 9.25 | 250 | 3625 | 90 | G3/8 | G1/4 | G1/4 | 0.48 |
| VC Inner back pressure regulator-3/8 | 35 | 9.25 | 250 | 3625 | 90 | G1/2 | G3/8 | G1/4 | 0.65 |
| VC inner back pressure regulator-1/4 | 35 | 9.25 | 250 | 3625 | 90 | G1/2 | G1/4 | G1/4 | 0.64 |
| VC inner back pressure regulator-1/4 | 35 | 9.25 | 250 | 3625 | 90 | G1/2 | G1/4 | G1/4 | 0.64 |



VRT100-A



VRT100-B



VB300



VK200

| Model | Max Flow | | Max Pressure | | The rated temperature | Inlet | Outlet | By-pass | Weight |
|--------------------|----------|-------|--------------|------|-----------------------|-------|--------|---------|--------|
| | L/min | gpm | bar | psi | °C | " | " | " | kg |
| VRT100-A Regulator | 100 | 26.42 | 200 | 2900 | 90 | G1/2 | G1/2 | G1/2 | 1.22 |
| VRT100-B Regulator | 100 | 26.42 | 350 | 5075 | 90 | G1/2 | G1/2 | G1/2 | 1.22 |
| VB300 Regulator | 250 | 66.04 | 200 | 2900 | 90 | G1" | G1" | G1" | 3.58 |
| VK200 Regulator | 200 | 52.84 | 170 | 2465 | 90 | G1" | G1" | G1" | 2.19 |



PRESSURE UNLOADER VALVE



VC external adjustment pressure regulator-1/4



VC inner back pressure regulator-1/4



VB350



VP53

| Model | Max Flow | | Max Pressure | | The rated temperature | Inlet | Outlet | By-pass | Weight |
|---|----------|-------|--------------|------|-----------------------|-------|--------|---------|--------|
| | L/min | gpm | bar | psi | °C | " | " | " | kg |
| VC external adjustment pressure regulator-1/4 | 35 | 9.25 | 250 | 3625 | 90 | G3/8 | G1/4 | G1/4 | 0.51 |
| VC inner back pressure regulator-1/4 | 35 | 9.25 | 250 | 3625 | 90 | G1/2 | G1/4 | G1/4 | 0.78 |
| VB350 Regulator | 40 | 10.57 | 350 | 5075 | 90 | G3/8 | G3/8 | G1/2 | 1.25 |
| VP53 Regulator | 80 | 21.14 | 550 | 7975 | 90 | G1/2 | G1/2 | G1/2 | 1.12 |



VRC300 Regulator



VB400 Regulator



VRP450 Regulator



VB1500 Regulator

| Model | Max Flow | | Max Pressure | | The rated temperature | Inlet | Outlet | By-pass | Weight |
|------------------|----------|--------|--------------|-------|-----------------------|--------|--------|---------|--------|
| | L/min | gpm | bar | psi | °C | " | " | " | kg |
| VRC300 Regulator | 30 | 7.93 | 300 | 4350 | 90 | G1/2 | G3/8 | G1/2 | 0.82 |
| VB400 Regulator | 40 | 10.57 | 400 | 5800 | 90 | G3/8 | G3/8 | G1/2 | 0.79 |
| VRP450 Regulator | 450 | 118.88 | 300 | 4350 | 90 | G1-1/4 | G1-1/4 | G1-1/2 | 3.58 |
| VB1500 Regulator | 40 | 10.57 | 1500 | 21750 | 90 | G3/8 | G1/2 | / | 1.07 |



SAFETY VALVE



LV



VS



VS500



VS660

| Model | Max Flow | | Max Pressure | | The rated temperature | Inlet | Outlet | By-pass | Weight |
|------------------|----------|-------|--------------|------|-----------------------|-------|--------|---------|--------|
| | L/min | gpm | bar | psi | °C | " | " | " | kg |
| LV Safe valve | 40 | 10.57 | 100 | 1450 | 90 | G1/4 | G1/4 | G1/4 | 0.50 |
| VS Safe valve | 200 | 52.84 | 250 | 3625 | 90 | G3/4 | G1/2 | / | 0.85 |
| VS500 Safe valve | 80 | 21.14 | 560 | 8120 | 90 | G1/2 | G3/8 | / | 1.47 |
| VS660 Safe valve | 60 | 15.85 | 660 | 9570 | 90 | G3/8 | G3/8 | G1/2 | 1.92 |

SAFETY VALVE



LVS200 Safe valve



VS850 Safe valve



VS850B Safe valve



VS1500 Safe valve

| Model | Max Flow | | Max Pressure | | The rated temperature | Inlet | Outlet | Weight |
|-------------------|----------|-------|--------------|-------|-----------------------|-------|---|--------|
| | L/min | gpm | bar | psi | °C | " | " | kg |
| LVS200 Safe valve | 200 | 25.48 | 200 | 2900 | 90 | G3/4 | G1/2 | 0.81 |
| VS850 Safe valve | 100 | 26.42 | 800 | 11600 | 70 | G1/2 | Along the periphery of pressure regulating pipe orifice | 0.88 |
| VS850B Safe valve | 100 | 26.42 | 300/500/800 | / | 70 | G1/2 | Along the periphery of pressure regulating pipe orifice | / |
| VS1500 Safe valve | 30 | 7.93 | 1500 | 21750 | 90 | G3/8 | G3/8 | 1.27 |

GEAR BOX



D16 GEAR BOX



D18, D31 GEAR BOX

| Gearbox Parameter | | | | | | |
|-------------------|----------------|---------------|----------------|-----------------|-----------------|--------------|
| Model | Input shaft | Output shaft | Weight | Reduction ratio | Power | Oil capacity |
| D16 | 19.05mm-0.75in | 24mm-0.9449in | 1950gr-68.7oz | 2.176:1 | 4-6KW/5.5-8HP | 0.2L-6oz |
| D18 | 25mm-0.984in | 24mm-0.9449in | 3950gr-139.3oz | 2.176:1 | 8-15KW/11-22HP | 0.35L-10oz |
| | 25.4mm-1in | 24mm-0.9449in | 3950gr-139.3oz | 2.176:1 | 8-15KW/11-22HP | 0.35L-10oz |
| D31 | 28.6mm-1.125in | 30mm-1.1811in | 3950gr-139.3oz | 2.176:1 | 22-35KW/30-48HP | 0.35L-10oz |

ACCESSORIES

**40 LPM 350 BAR
WITH SWIVEL**



**40 LPM 350 BAR
WITH MULTI
NOZZLE**



40 LPM 560 BAR



**25 LPM HOT
WATER WASH
DOWN GUN**



ACCESSORIES

40 LPM 350 BAR

NOZZEL SIZE - 1.5 / 2.0 / 2.5
(FOR FIRE EXTINGUISHING USAGE)



100 LPM 450 BAR

(FOR FIRE EXTINGUISHING USAGE)



70 LPM 350 BAR



40 LPM 560 BAR



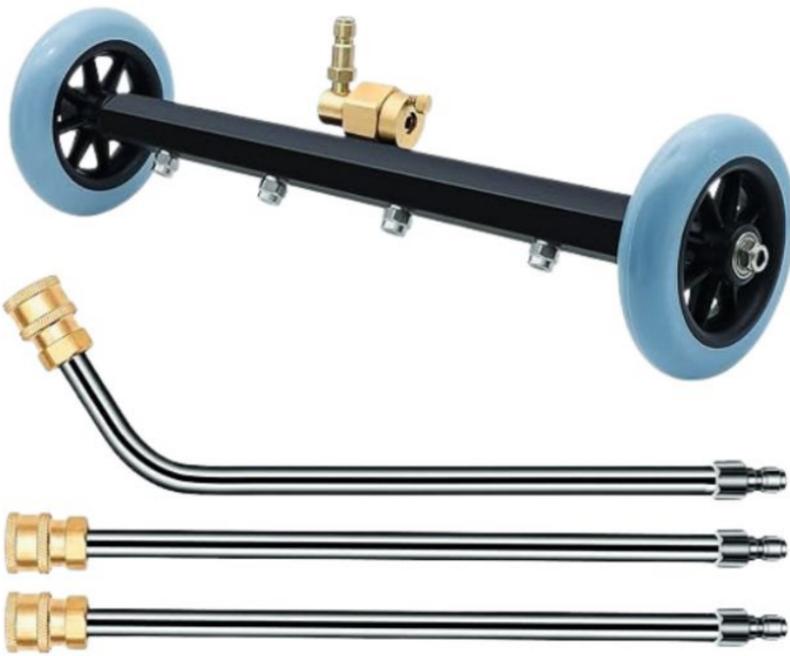
60 LPM 1500 BAR



ACCESSORIES

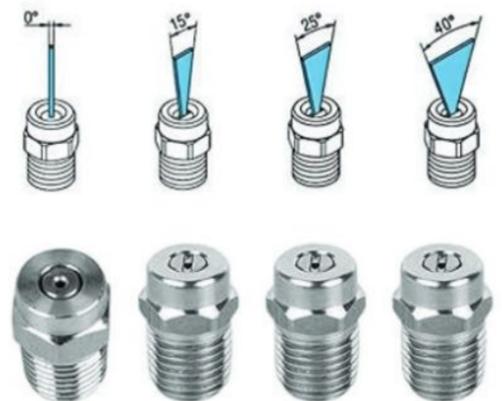


LONG LANCE 200MM TO 900 MM



UNDER CARRIAGE WASHING LANCE

CEILING BOOM



QRC

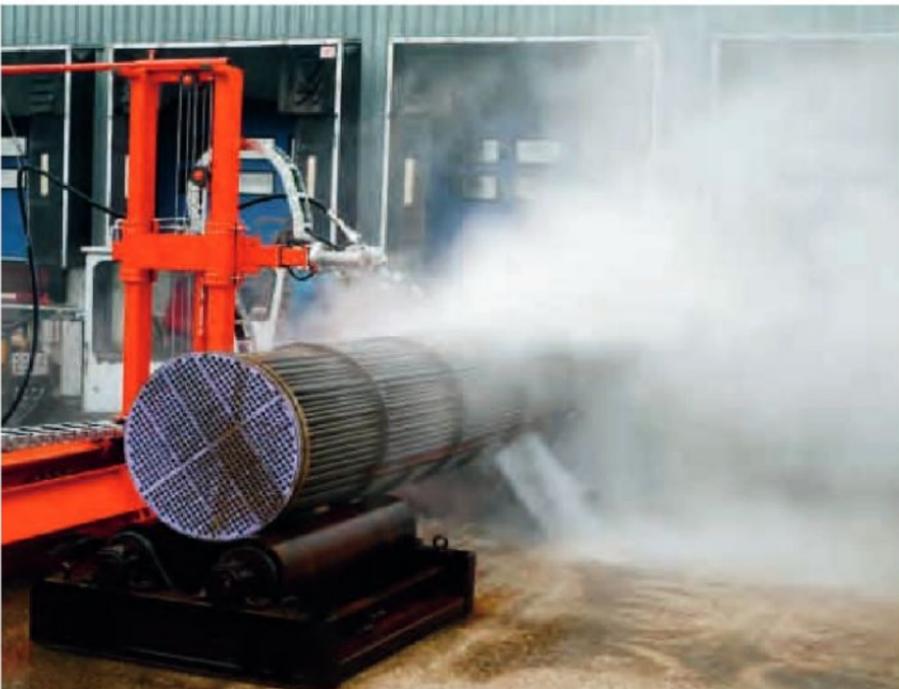
CONNECTOR

NOZZLE

PINFL



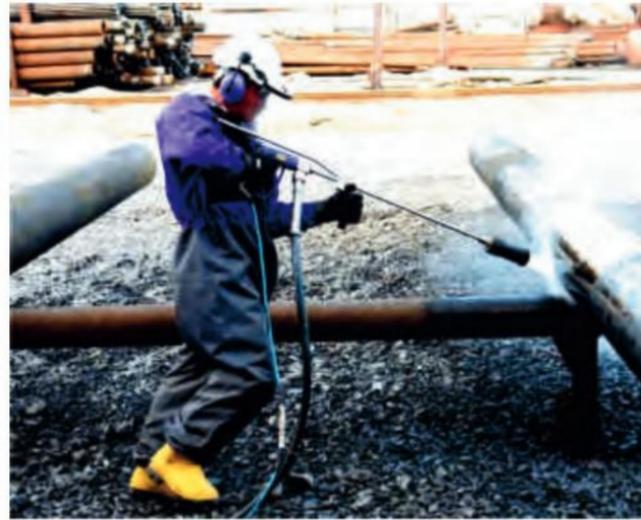
APPLICATION CASES



PINFL



APPLICATION CASES



PINFL

HIGH PRESSURE PLUNGER PUMP

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