



PERIPHERAL IMPELLER PUMPS

CP series



Closed coupled single stage peripheral impeller pumps suitable for clean, non abrasive liquids without solids and viscosities up to max. 250 cP.

The special design of casing and impeller is suitable for duties with medium-high heads and low flow rates.

The pulsation-free flow is suitable for liquid dosing, laboratory micro installations, spraying and in-line measurement systems.

Wetted parts from AISI 316L (1.4404) stainless steel rolled bar, electro-chemically polished for a perfect surface finish.



CP pump with shroud and stainless steel adjustable feet

Pump with B34 motor



Applications:

Food processing, dairy, beverage and syrups, oils, liqueurs and CIP duties.

Chemical industry, acid and basic solutions.

Cosmetic and pharmaceutical industry.

TECHNICAL DATA

Flow rates up to 6 m³/h
Heads up to 100 m
Maximum operating pressure 16 bar up to 100°C
Temperature range -10°÷ +100°

Mechanical seals:

Mechanical seals standardized to EN 12756, ISO 3069 standards
Single internal seal
Double flushed sea

Elastomers (FDA Regulation (EC) No. 1935/2004):

Nitrile (NBR)
Ethylene propylene (EPDM)
Special fluorocarbon seal
Fluorocarbon seal (FPM - FKM)
FEP
FFPM - FFKM
Silicone

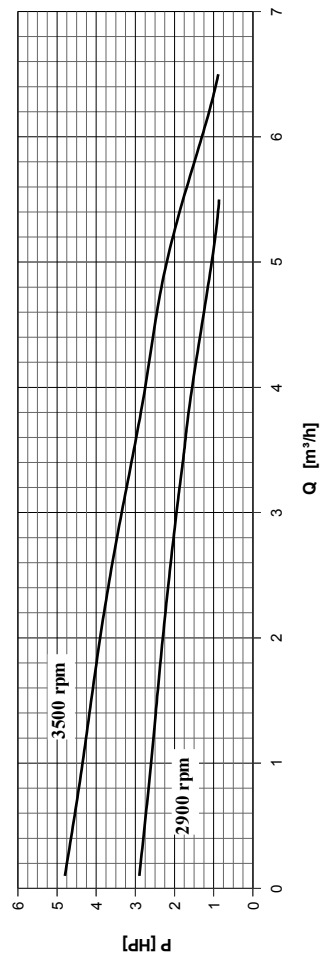
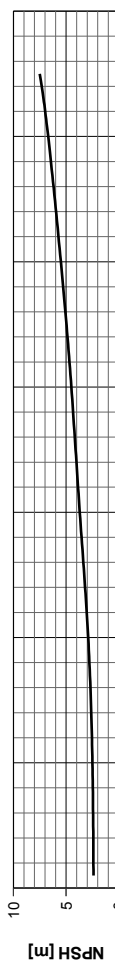
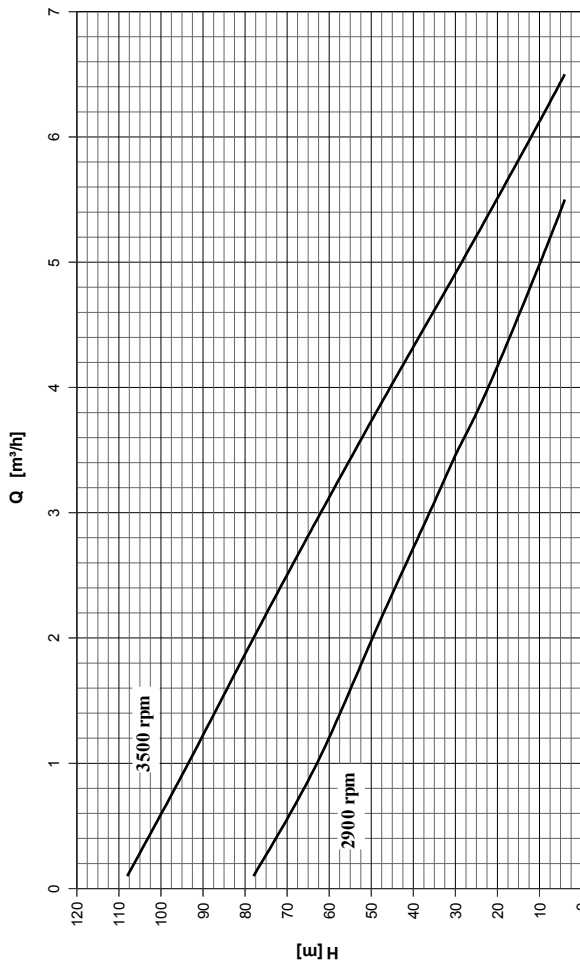
Connections:

DIN - SMS - IDF - BS / RJT - DS - CLAMP suitable for all international standards.

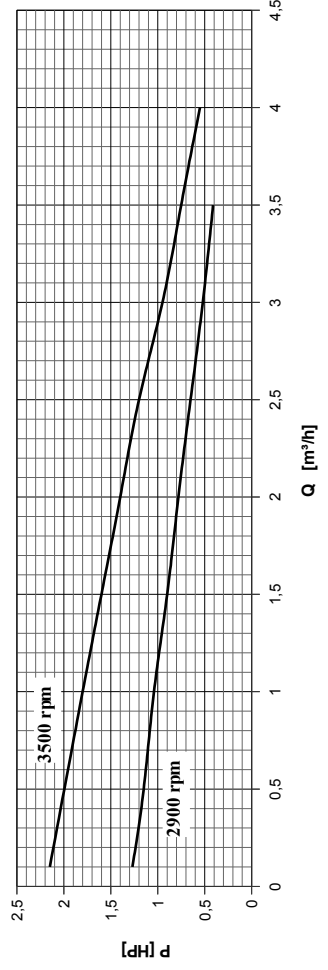
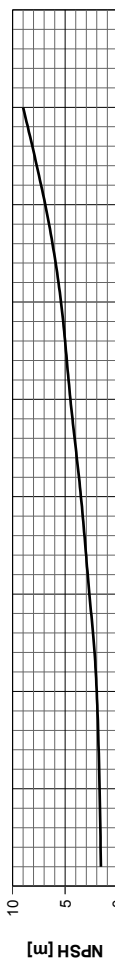
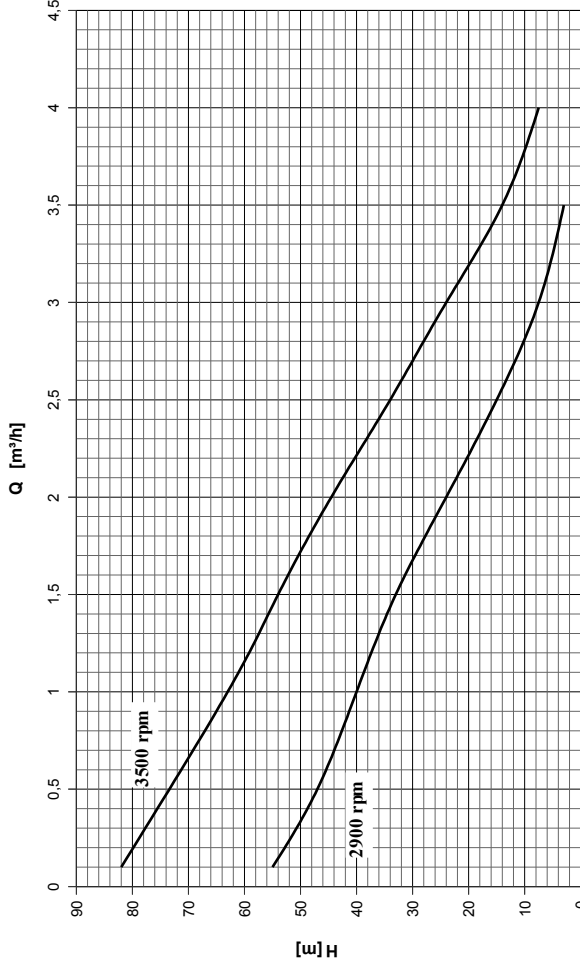


PERFORMANCE CURVES

| | | | | | |
|--|--|--|--------------------------------------|--------------------------------------|---|
| POMPA TIPO <i>Pump type</i> | | CP 25 | | n <u>2900/3500</u> | giri/min <i>r.p.m.</i> |
| GIRANTE ----- <i>Impeller</i> | | | | | |
| TIPO <i>Type</i> | N° di pale <i>n° of blades</i> | Pass. sferico <i>max. sphere</i> | Ø max <i>max. diameter</i> | Ø min <i>min. diameter</i> | Bocche tipo <i>Ports type</i> |
| APERTA | 32 | 80 mm | 80 mm | --- mm | Bocca aspir. <i>Suction port</i> |
| | | | | | DN 25 |
| | | | | | Bocca mand. <i>Discharge port</i> |
| | | | | | DN 25 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20 °C - PESO SPECIFICO 1 Kg/dm³ <i>Curves show performance with clear water at 70 °F - Specific gravity 1 Kg/dm³</i> | | | | | |



| | | | | | |
|--|--|--|--------------------------------------|--------------------------------------|---|
| POMPA TIPO <i>Pump type</i> | | CP 15 | | n <u>2900/3500</u> | giri/min <i>r.p.m.</i> |
| GIRANTE ----- <i>Impeller</i> | | | | | |
| TIPO <i>Type</i> | N° di pale <i>n° of blades</i> | Pass. sferico <i>max. sphere</i> | Ø max <i>max. diameter</i> | Ø min <i>min. diameter</i> | Bocche tipo <i>Ports type</i> |
| APERTA | 36 | --- mm | 74 mm | --- mm | Bocca aspir. <i>Suction port</i> |
| | | | | | DN 15 |
| | | | | | Bocca mand. <i>Discharge port</i> |
| | | | | | DN 15 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20 °C - PESO SPECIFICO 1 Kg/dm³ <i>Curves show performance with clear water at 70 °F - Specific gravity 1 Kg/dm³</i> | | | | | |



Peripheral impeller made from AISI 316L (1.4404) stainless steel rolled bar. On request special anti-friction stainless alloy is available.



EXECUTION

**“V”
STANDARD**



**“T”
WITH HORIZONTAL PORTS**



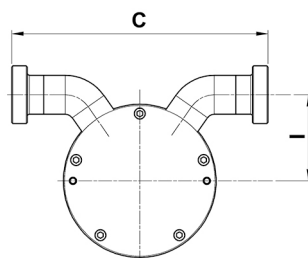
**“U”
WITH VERTICAL PORTS**

OVERALL DIMENSIONS

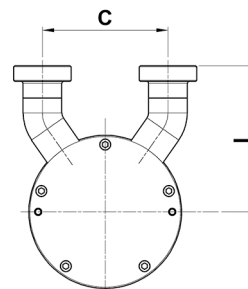
Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

PORTS VERSIONS

| Horizontal ports | | |
|------------------|------|-------|
| | I | C |
| CP 15 | 60,5 | 157,5 |
| CP 25 | 72 | 202,2 |

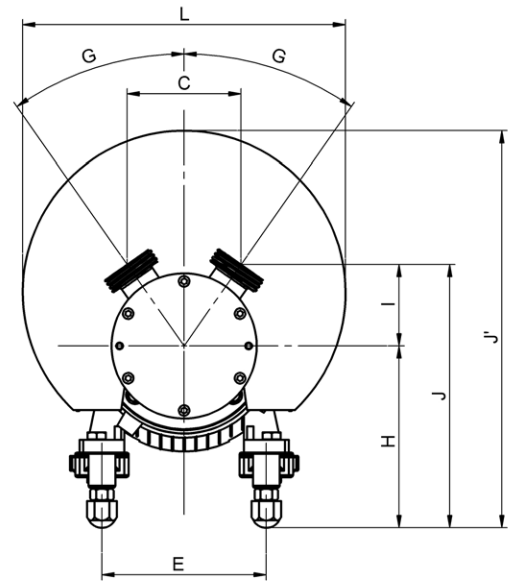
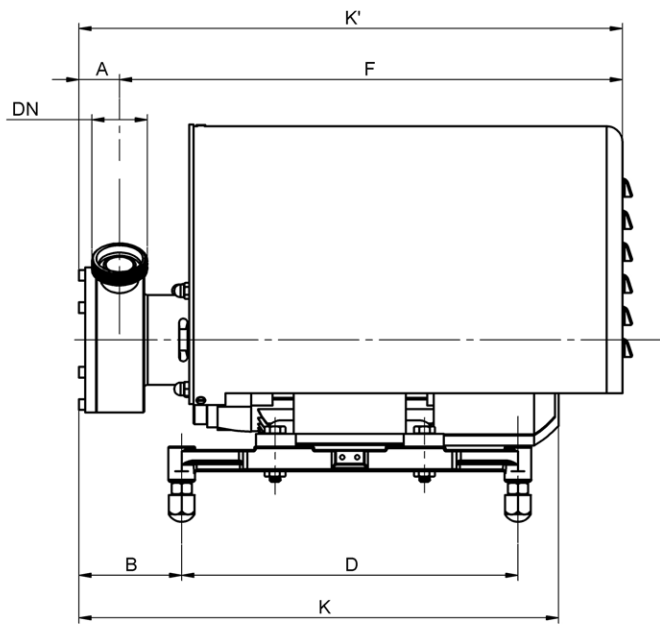


HORIZONTAL

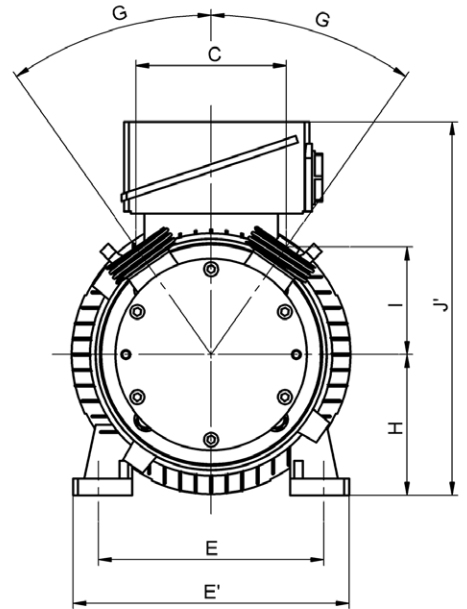
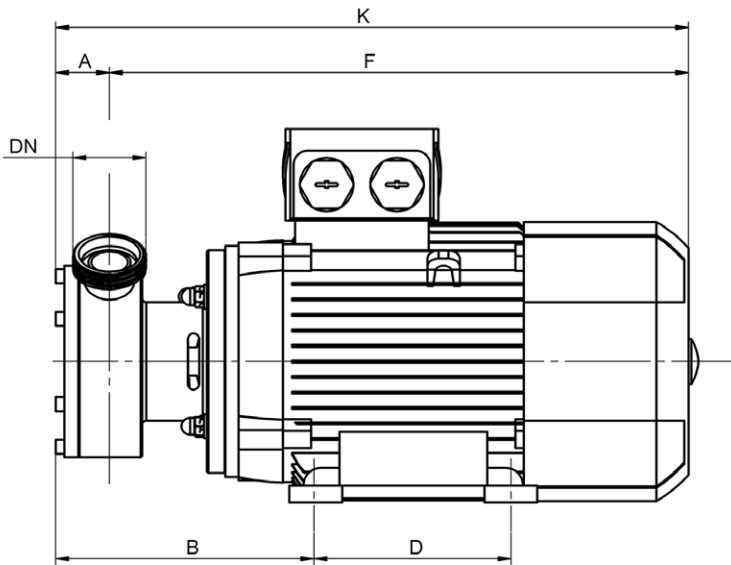


VERTICAL

| Vertical ports | | |
|----------------|------|------|
| | I | C |
| CP 15 | 85,5 | 77,5 |
| CP 25 | 107 | 90,5 |



| Pumps | Motors Kw | DNa | DNm | A | B | C | D | E | F | G | H | K | K' | I | J | J' | L | | | | | | | |
|-------|-----------|-----|-----|----|-------|------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-------|-----|-----|-----|----|-----|-----|-------|
| CP 15 | 1,1 | 15 | 15 | 32 | 107 | 90,5 | 270 | 140 | 400 | 35° | 158 | 400 | 433 | 63,5 | 221,5 | 361 | 302,5 | | | | | | | |
| | 1,5 | | | | | | | | | | | | | | | | | | | | | | | |
| | 2,2 | | | | | | | | | | | | | | | | | | | | | | | |
| CP 25 | 2,2 | 25 | 25 | 39 | 104,5 | 107 | 270 | 140 | 402 | | | | | | | | | 158 | 400 | 440 | 76 | 234 | 361 | 302,5 |
| | 3 | | | | 315 | | 154 | | 472 | | | | | | | | | | | | | | | |
| | 4 | | | | 170 | | 450 | | 510 | | | | | | | | | | | | | | | |



| Pumps | Motors Kw | DNa | DNm | A | B | C | D | E | E' | F | G | H | K | ØR | I | J | | | | | |
|-------|-----------|-----|-----|----|-----|------|-----|-----|-----|-----|-----|----|-----|----|------|-----|-----|-----|----|----|-----|
| CP 15 | 1,1 | 15 | 15 | 32 | 179 | 90,5 | 125 | 140 | 170 | 362 | 35° | 90 | 395 | 10 | 63,5 | 218 | | | | | |
| | 1,5 | | | | | | | | | | | | | | | | | | | | |
| | 2,2 | | | | | | | | | | | | | | | | | | | | |
| CP 25 | 2,2 | 25 | 25 | 39 | 176 | 107 | 125 | 140 | 170 | 365 | | | | | | | 158 | 400 | 10 | 76 | 246 |
| | 3 | | | | 140 | | 160 | | 193 | 411 | | | | | | | | | | | |
| | 4 | | | | 100 | | 450 | | 12 | 265 | | | | | | | | | | | |



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