



# AquaCulture

## Overview

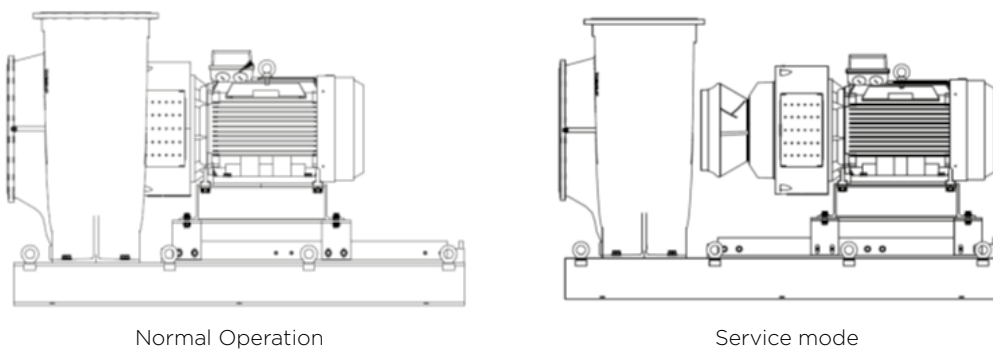
AquaCulture

**DESMI**  
Make life flow

# High Flow - Low Pressure Pumps for Aquaculture



## Service friendly "Back Pull-out"



## Design Flexibility

### Pressure Gauges

- Valves with air blending and shutoff
- Glycerin filled gauges Ø63 or Ø100
- Possibility to add extra "T" for pressure transmitter

### Motor

- DESMI Standard or any motor preference is possible
- PTE Thermistor, IP56, PT100 (windings/bearings) anti-condensation heaters, current insulated bearings, SPM Nipples, external ventilation, etc.

Optional customer colour selection with different corrosion specifications

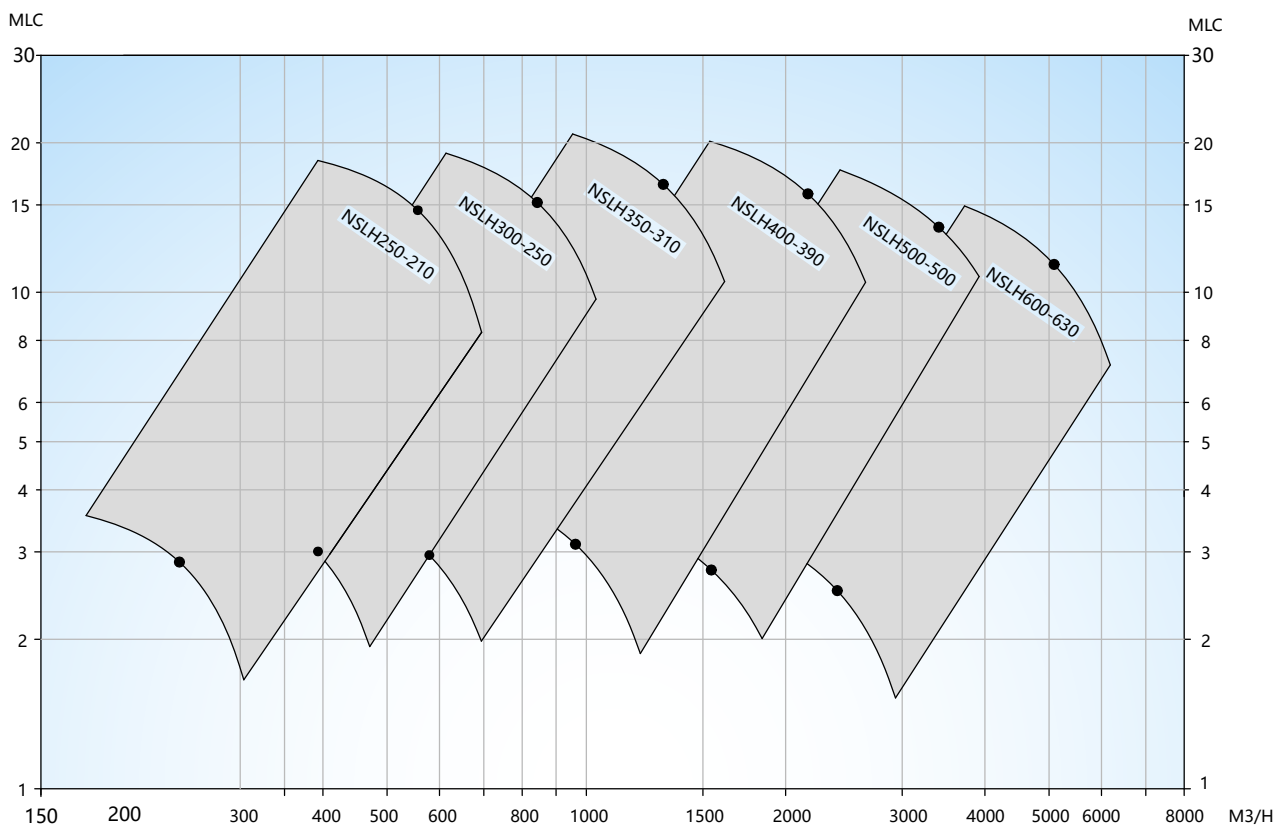
- Any colour is possible if the RAL-code is given
- C3-M, C4-M, C5-M, etc.



Plain Design



Valve Design



• MAX EFFICIENCY POINT\*

\*shown for min. and max. speed for each pump size



## NSLH250-210/AO2

|                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Suction DN300<br>Velocity m/s   | 0,69 | 0,79 | 0,88 | 0,98 | 1,08 | 1,18 | 1,28 | 1,38 | 1,47 | 1,57 | 1,67 | 1,77 | 1,87 | 1,96 |
| Discharge DN250<br>Velocity m/s | 0,99 | 1,13 | 1,27 | 1,41 | 1,56 | 1,70 | 1,84 | 1,98 | 2,12 | 2,26 | 2,41 | 2,55 | 2,69 | 2,83 |
| H mWC                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 10                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Q m³/h                          | 175  | 200  | 225  | 250  | 275  | 300  | 325  | 350  | 375  | 400  | 425  | 450  | 475  | 500  |
| Q l/s                           | 49   | 56   | 63   | 69   | 76   | 83   | 90   | 97   | 104  | 111  | 118  | 125  | 132  | 139  |

|             |                  |             |                  |                    |  | Optional Extras           |              |                  |                                               |                                   |                                   |
|-------------|------------------|-------------|------------------|--------------------|--|---------------------------|--------------|------------------|-----------------------------------------------|-----------------------------------|-----------------------------------|
| Nom. Effect | Nom. Motor Speed | Fresh-water | Salt-water <16°C | Salt water 16-35°C |  | Option Vertical execution | Option H180° | Option pull-back | Option C5-M paint if required for fresh-water | NiAlBz Impeller instead of 1.4410 | Option IOT Cloud based monitoring |
| [kW]        | [RPM]            | *1          | *2               | *3                 |  | Add [€]                   | Add [€]      | Add [€]          | Add €                                         | Deduct [€]                        | [€]                               |
| 3           | 960              |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 4           | 960              |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 5,5         | 960              |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 7,5         | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 11          | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 15          | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 18,5        | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |

End-Suction with bearing incl. Baseframe, Super Duplex Impeller, pressure gauges incl. Valve & T-Piece for customer added pressure transmitter. Standard DESMI IE3 Motor for 3 x 400 V / 50 Hz.

**Spare Parts Kits are also available. Please contact DESMI on [desmi@desmi.com](mailto:desmi@desmi.com) or +45 9632 8111**

**\*1** Fresh water execution - Casing GG20 Cast Iron, Shaft/impeller in super duplex

**\*2** Salt water execution - Casing = Ceramic coated (Belzona) grey cast iron, Shaft/impeller in super duplex, C5-M

**\*3** High temperature salt water execution as (\*2) plus high temperature coating process, C5-M

**\*4** Pull back option only available for horizontal execution

Gatevalve (AquaCulture) - watertight from both sides incl. EDPM gasket  
w. steel insert and bolts/washers/nuts in A4 for pump flange only

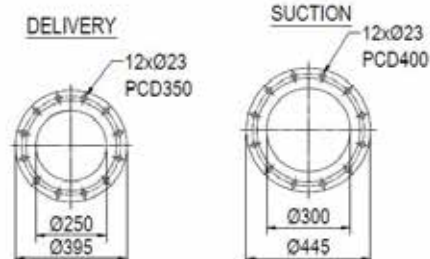
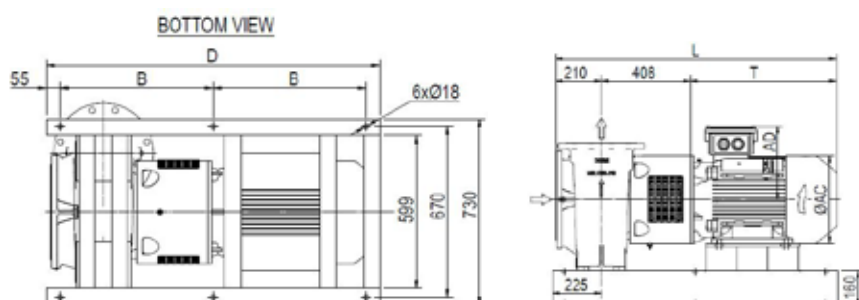
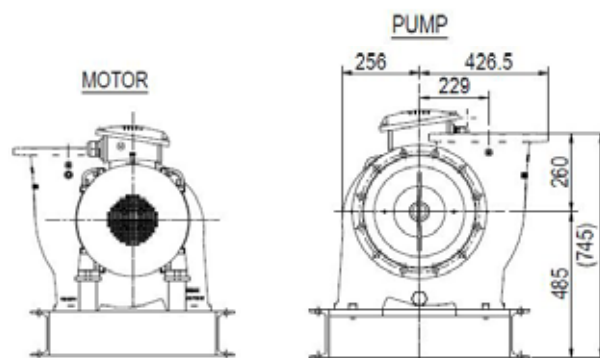
| DN Pump<br>PN 10 | PE100<br>SDR26 |  |       |        |       |  |       |        |       | Additional price for<br>electrofusion joints<br>for flange to pipe |       |
|------------------|----------------|-----------------------------------------------------------------------------------|-------|--------|-------|------------------------------------------------------------------------------------|-------|--------|-------|--------------------------------------------------------------------|-------|
|                  |                | AISI316                                                                           |       | Duplex |       | AISI316                                                                            |       | Duplex |       |                                                                    |       |
|                  |                | ID                                                                                | Price | ID     | Price | ID                                                                                 | Price | ID     | Price | ID                                                                 | Price |
| 250              | 315            | ASK DESMI                                                                         |       |        |       |                                                                                    |       |        |       |                                                                    |       |
| 300              | 355            | ASK DESMI                                                                         |       |        |       |                                                                                    |       |        |       |                                                                    |       |

## PE Pipes (no fittings)

| DN Pump | PE100SDR26     |             |           |       |            |       |
|---------|----------------|-------------|-----------|-------|------------|-------|
|         | PE100<br>SDR26 | Internal ØD | 6m length |       | 12m length |       |
|         |                |             | ID        | Price | ID         | Price |
| 250     | 315            | 290,8       | ASK DESMI |       | ASK DESMI  |       |
| 300     | 355            | 327,8       | ASK DESMI |       | ASK DESMI  |       |

## NB! Approx values only

| Nom.<br>Effect | Nom.<br>Motor<br>Speed | Nom.<br>Current | Approx<br>Weight | L    | T    |
|----------------|------------------------|-----------------|------------------|------|------|
| [kW]           | [RPM]                  | [A]             | [KG]             | [MM] | [MM] |
| 3              | 960                    | 6,8             | 461              | 1008 | 390  |
| 4              | 960                    | 9,0             | 470              | 1048 | 430  |
| 5,5            | 960                    | 10,6            | 469              | 1048 | 430  |
| 7,5            | 1450                   | 14,3            | 478              | 1048 | 430  |
| 11             | 1450                   | 20,4            | 535              | 1163 | 545  |
| 15             | 1450                   | 27,3            | 561              | 1163 | 545  |
| 18,5           | 1450                   | 33,53           | 597              | 1208 | 590  |





## NSLH300-250/A02

|                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Suction DN350<br>Velocity m/s   | 0,79 | 0,87 | 0,94 | 1,01 | 1,08 | 1,15 | 1,23 | 1,30 | 1,37 | 1,44 | 1,52 | 1,59 | 1,66 | 1,73 | 1,80 | 1,88 | 1,95 |
| Discharge DN300<br>Velocity m/s | 1,08 | 1,18 | 1,28 | 1,38 | 1,47 | 1,57 | 1,67 | 1,77 | 1,87 | 1,96 | 2,06 | 2,16 | 2,26 | 2,36 | 2,46 | 2,55 | 2,65 |
| H mWC                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 10                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Q m³/h                          | 275  | 300  | 325  | 350  | 375  | 400  | 425  | 450  | 475  | 500  | 525  | 550  | 575  | 600  | 625  | 650  | 675  |
| Q l/s                           | 76   | 83   | 90   | 97   | 104  | 111  | 118  | 125  | 132  | 139  | 146  | 153  | 160  | 167  | 174  | 181  | 188  |

|             |                  |             |                  |                    |  | Optional Extras           |              |                  |                                               |                                   |                                   |
|-------------|------------------|-------------|------------------|--------------------|--|---------------------------|--------------|------------------|-----------------------------------------------|-----------------------------------|-----------------------------------|
| Nom. Effect | Nom. Motor Speed | Fresh-water | Salt-water <16°C | Salt water 16-35°C |  | Option Vertical execution | Option H180° | Option pull-back | Option C5-M paint if required for fresh-water | NiAlBz Impeller instead of 1.4410 | Option IOT Cloud based monitoring |
| [kW]        | [RPM]            | *1          | *2               | *3                 |  | Add [€]                   | Add [€]      | Add [€]          | Add €                                         | Deduct [€]                        | [€]                               |
| 4           | 720              |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 7,5         | 960              |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 11          | 960              |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 15          | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 18,5        | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 22          | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |
| 30          | 1450             |             | Ask DESMI        |                    |  |                           |              |                  |                                               |                                   |                                   |

End-Suction with bearing incl. Baseframe, Super Duplex Impeller, pressure gauges incl. Valve & T-Piece for customer added pressure transmitter. Standard DESMI IE3 Motor for 3 x 400 V / 50 Hz.

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- \*1** Fresh water execution - Casing GG20 Cast Iron, Shaft/impeller in super duplex
- \*2** Salt water execution - Casing = Ceramic coated (Belzona) grey cast iron, Shaft/impeller in super duplex, C5-M
- \*3** High temperature salt water execution as (\*2) plus high temperature coating process, C5-M
- \*4** Pull back only available for NSLH & NSLH180°

Gatevalve (AquaCulture) - watertight from both sides incl. EDPM gasket  
w. steel insert and bolts/washers/nuts in A4 for pump flange only

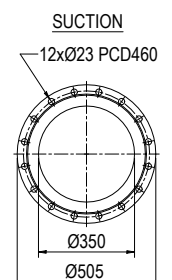
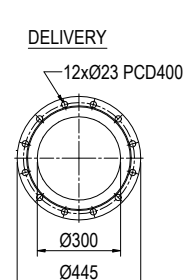
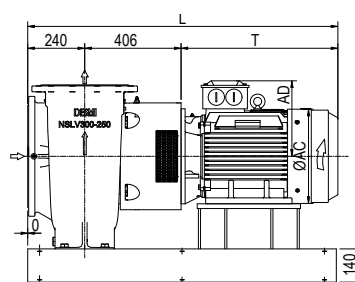
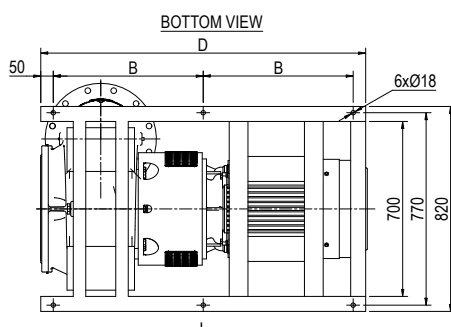
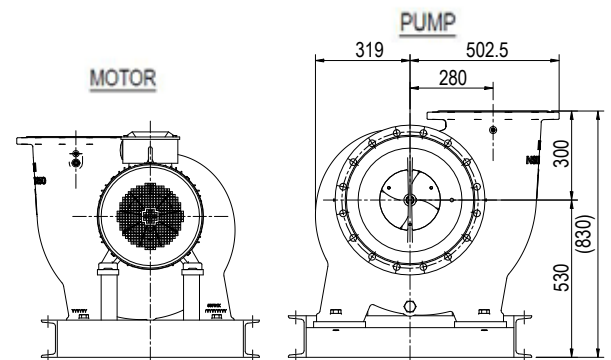
| DN Pump<br>PN 10 | PE100<br>SDR26 |  |       |                |       |  |       |        |       | Additional price for<br>electrofusion joints<br>for flange to pipe |       |
|------------------|----------------|-----------------------------------------------------------------------------------|-------|----------------|-------|------------------------------------------------------------------------------------|-------|--------|-------|--------------------------------------------------------------------|-------|
|                  |                | Flange to flange                                                                  |       | Flange to pipe |       |                                                                                    |       |        |       |                                                                    |       |
|                  |                | AISI316                                                                           |       | Duplex         |       | AISI316                                                                            |       | Duplex |       |                                                                    |       |
|                  |                | ID                                                                                | Price | ID             | Price | ID                                                                                 | Price | ID     | Price | ID                                                                 | Price |
| 300              | 355            | ASK DESMI                                                                         |       |                |       |                                                                                    |       |        |       |                                                                    |       |
| 350              | 400            | ASK DESMI                                                                         |       |                |       |                                                                                    |       |        |       |                                                                    |       |

## PE Pipes (no fittings)

| DN Pump | PE100SDR26     |             |           |       |            |       |
|---------|----------------|-------------|-----------|-------|------------|-------|
|         | PE100<br>SDR26 | Internal ØD | 6m length |       | 12m length |       |
|         |                |             | ID        | Price | ID         | Price |
| 300     | 355            | 327,8       | ASK DESMI |       | ASK DESMI  |       |
| 350     | 400            | 369,4       | ASK DESMI |       | ASK DESMI  |       |

## NB! Approx values only

| Nom.<br>Effect | Nom.<br>Motor<br>Speed | Nom.<br>Current | Approx<br>Weight | L    | T    |
|----------------|------------------------|-----------------|------------------|------|------|
| [kW]           | [RPM]                  | [A]             | [KG]             | [MM] | [MM] |
| 4              | 720                    | 9,3             | 526              | 1146 | 500  |
| 7,5            | 960                    | 15,4            | 536              | 1146 | 500  |
| 11             | 960                    | 22,0            | 562              | 1191 | 545  |
| 15             | 1450                   | 27,3            | 572              | 1191 | 545  |
| 18,5           | 1450                   | 36,0            | 662              | 1236 | 590  |
| 22             | 1450                   | 42,5            | 682              | 1256 | 610  |
| 30             | 1450                   | 56,0            | 736              | 1311 | 665  |





## NSLH350-310/A02

|                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Suction DN400<br>Velocity m/s   | 0,88 | 0,99 | 1,11 | 1,22 | 1,44 | 1,55 | 1,66 | 1,77 | 1,88 | 1,99 | 2,10 | 2,21 | 2,32 | 2,43 | 2,54 |
| Discharge DN350<br>Velocity m/s | 1,15 | 1,30 | 1,44 | 1,59 | 1,88 | 2,02 | 2,17 | 2,31 | 2,45 | 2,60 | 2,74 | 2,89 | 3,03 | 3,18 | 3,32 |
| H mWC                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 10                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Q m³/h                          | 400  | 450  | 500  | 550  | 650  | 700  | 750  | 800  | 850  | 900  | 950  | 1000 | 1050 | 1100 | 1150 |
| Q l/s                           | 111  | 125  | 139  | 153  | 181  | 194  | 208  | 222  | 236  | 250  | 264  | 278  | 292  | 306  | 319  |

|             |                  |             |                  |                    |           | Optional Extras           |              |                  |                                               |                                   |                                   |
|-------------|------------------|-------------|------------------|--------------------|-----------|---------------------------|--------------|------------------|-----------------------------------------------|-----------------------------------|-----------------------------------|
| Nom. Effect | Nom. Motor Speed | Fresh-water | Salt-water <16°C | Salt water 16-35°C |           | Option Vertical execution | Option H180° | Option pull-back | Option C5-M paint if required for fresh-water | NiAlBz Impeller instead of 1.4410 | Option IOT Cloud based monitoring |
| [kW]        | [RPM]            | *1          | *2               | *3                 |           | Add [€]                   | Add [€]      | *4               | Add €                                         | Deduct [€]                        | [€]                               |
| 5,5         | 720              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 7,5         | 720              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 11          | 720              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 15          | 960              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 18,5        | 960              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 22          | 960              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 30          | 960              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 37          | 960              |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |
| 45          | 1450             |             |                  |                    | Ask DESMI |                           |              |                  |                                               |                                   |                                   |

End-Suction with bearing incl. Baseframe, Super Duplex Impeller, pressure gauges incl. Valve & T-Piece for customer added pressure transmitter.  
Standard DESMI IE3 Motor for 3 x 400 V / 50 Hz.

**Spare Parts Kits are also available. Please contact DESMI on [desmi@desmi.com](mailto:desmi@desmi.com) or +45 9632 8111**

**\*1** Fresh water execution  
- Casing GG20 Cast Iron,  
Shaft/impeller in super duplex

**\*2** Salt water execution -  
Casing = Ceramic coated (Belzona) grey cast iron,  
Shaft/impeller in super duplex, C5-M

**\*3** High temperature salt water execution as (\*2) plus high temperature coating process, C5-M

**\*4** Pull back only available for NSLH & NSLH180°

All prices should be considered budget prices for 2024 excl. VAT. Changes to the price, technical data might occur

Gatevalve (AquaCulture) - watertight from both sides incl. EDPM gasket  
w. steel insert and bolts/washers/nuts in A4 for pump flange only

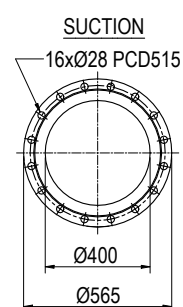
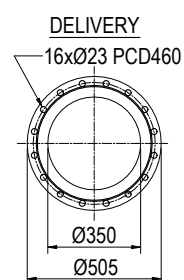
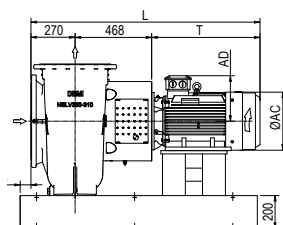
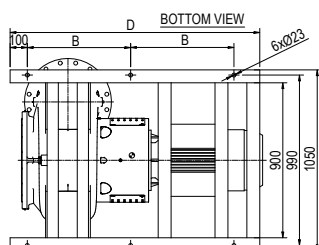
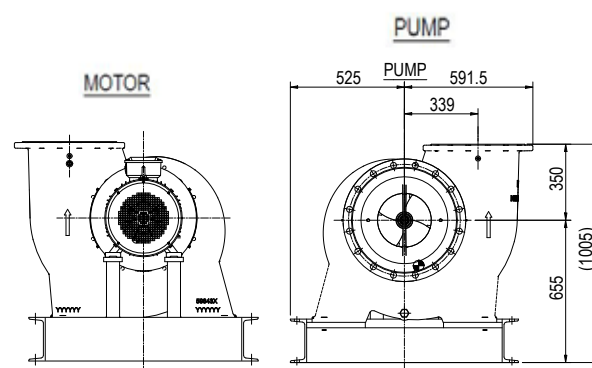
| DN Pump<br>PN 10 | PE100<br>SDR26 |  |       |           |       |  |       |        |       | Additional price for<br>electrofusion joints<br>for flange to pipe |       |
|------------------|----------------|-----------------------------------------------------------------------------------|-------|-----------|-------|------------------------------------------------------------------------------------|-------|--------|-------|--------------------------------------------------------------------|-------|
|                  |                | AISI316                                                                           |       | Duplex    |       | AISI316                                                                            |       | Duplex |       |                                                                    |       |
|                  |                | ID                                                                                | Price | ID        | Price | ID                                                                                 | Price | ID     | Price | ID                                                                 | Price |
|                  |                | 350                                                                               | 400   | ASK DESMI |       |                                                                                    |       |        |       |                                                                    |       |
| 400              | 450            | ASK DESMI                                                                         |       |           |       |                                                                                    |       |        |       |                                                                    |       |

## PE Pipes (no fittings)

| DN Pump | PE100SDR26     |             |           |       |            |       |
|---------|----------------|-------------|-----------|-------|------------|-------|
|         | PE100<br>SDR26 | Internal ØD | 6m length |       | 12m length |       |
|         |                |             | ID        | Price | ID         | Price |
| 350     | 400            | 369,4       | ASK DESMI |       | ASK DESMI  |       |
| 400     | 450            | 415,6       | ASK DESMI |       | ASK DESMI  |       |

## NB! Approx values only

| Nom.<br>Effect | Nom.<br>Motor<br>Speed | Nom.<br>Current | Approx<br>Weight | L    | T    |
|----------------|------------------------|-----------------|------------------|------|------|
| [kW]           | [RPM]                  | [A]             | [KG]             | [MM] | [MM] |
| 5,5            | 720                    | 12,5            | 768              | 1238 | 500  |
| 7,5            | 720                    | 16,5            | 790              | 1283 | 545  |
| 11             | 720                    | 22              | 792              | 1348 | 610  |
| 15             | 960                    | 29,3            | 839              | 1348 | 610  |
| 18,5           | 960                    | 36              | 888              | 1408 | 670  |
| 22             | 960                    | 42,5            | 908              | 1408 | 670  |
| 30             | 960                    | 56,2            | 962              | 1443 | 705  |
| 37             | 960                    | 68,6            | 1055             | 1513 | 775  |
| 45             | 1450                   | 80,2            | 992              | 1443 | 705  |





## NSLH400-390/A02

| Suction DN500<br>Velocity m/s   | 0,92 | 0,99 | 1,06 | 1,13 | 1,20 | 1,27 | 1,34 | 1,41 | 1,49 | 1,56 | 1,63 | 1,70 | 1,77 | 1,84 | 1,91 | 1,98 | 2,05 | 2,12 | 2,19 | 2,26 | 2,41 | 2,48 | 2,55 | 2,62 |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Discharge DN400<br>Velocity m/s | 1,44 | 1,55 | 1,66 | 1,77 | 1,88 | 1,99 | 2,10 | 2,21 | 2,32 | 2,43 | 2,54 | 2,65 | 2,76 | 2,87 | 2,98 | 3,09 | 3,21 | 3,32 | 3,43 | 3,54 | 3,76 | 3,87 | 3,98 | 4,09 |
| H mWC                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 10                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Q m³/h                          | 650  | 700  | 750  | 800  | 850  | 900  | 950  | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1700 | 1750 | 1800 | 1850 |
| Q l/s                           | 181  | 194  | 208  | 222  | 236  | 250  | 264  | 278  | 292  | 306  | 319  | 333  | 347  | 361  | 375  | 389  | 403  | 417  | 431  | 444  | 472  | 486  | 500  | 514  |

|             |                  |             |                  |                    | Optional Extras           |              |                  |                                               |                                   |                                   |
|-------------|------------------|-------------|------------------|--------------------|---------------------------|--------------|------------------|-----------------------------------------------|-----------------------------------|-----------------------------------|
| Nom. Effect | Nom. Motor Speed | Fresh-water | Salt-water <16°C | Salt water 16-35°C | Option Vertical execution | Option H180° | Option pull-back | Option C5-M paint if required for fresh-water | NiAlBz Impeller instead of 1.4410 | Option IOT Cloud based monitoring |
| [kW]        | [RPM]            | *1          | *2               | *3                 |                           |              | *4               |                                               |                                   |                                   |
| [€]         | [€]              | [€]         | [€]              | [€]                | Add [€]                   | Add [€]      | Add [€]          | Add €                                         | Deduct [€]                        | [€]                               |
| 15          | 720              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 18,5        | 720              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 22          | 720              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 30          | 720              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 37          | 960              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 45*         | 960              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 55*         | 960              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |
| 75**        | 960              |             | Ask DESMI        |                    |                           |              |                  |                                               |                                   |                                   |

\* incl. Insulated bearing in NDE

\*\* IE4 incl. Insulated bearing in NDE

End-Suction with bearing incl. Baseframe, Super Duplex Impeller, pressure gauges incl. Valve & T-Piece for customer added pressure transmitter. Standard DESMI IE3 Motor for 3 x 400 V / 50 Hz.

Spare Parts Kits are also available. Please contact DESMI on [desmi@desmi.com](mailto:desmi@desmi.com) or +45 9632 8111

**\*1** Fresh water execution - Casing GG20 Cast Iron, Shaft/impeller in super duplex

**\*2** Salt water execution - Casing = Ceramic coated (Belzona) grey cast iron, Shaft/impeller in super duplex, C5-M

**\*3** High temperature salt water execution as (\*2) plus high temperature coating process, C5-M

**\*4** Pull back only available for NSLH & NSLH180°

Gatevalve (AquaCulture) - watertight from both sides incl. EDPM gasket  
w. steel insert and bolts/washers/nuts in A4 for pump flange only

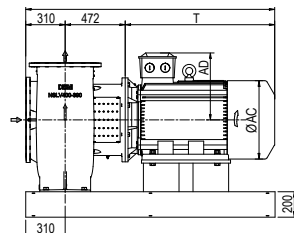
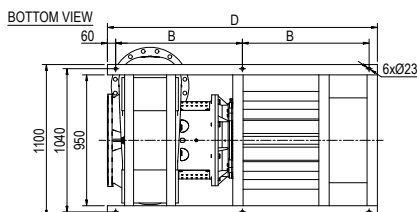
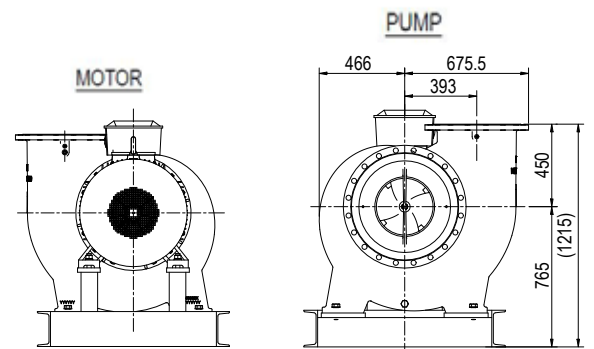
| DN Pump<br>PN 10 | PE100<br>SDR26 |  |       |        |       |  |       |        |       | Additional price for<br>electrofusion joints<br>for flange to pipe |       |
|------------------|----------------|-----------------------------------------------------------------------------------|-------|--------|-------|------------------------------------------------------------------------------------|-------|--------|-------|--------------------------------------------------------------------|-------|
|                  |                | AISI316                                                                           |       | Duplex |       | AISI316                                                                            |       | Duplex |       |                                                                    |       |
|                  |                | ID                                                                                | Price | ID     | Price | ID                                                                                 | Price | ID     | Price | ID                                                                 | Price |
| 400              | 450            | ASK DESMI                                                                         |       |        |       |                                                                                    |       |        |       |                                                                    |       |
| 500              | 560            | ASK DESMI                                                                         |       |        |       |                                                                                    |       |        |       |                                                                    |       |

## PE Pipes (no fittings)

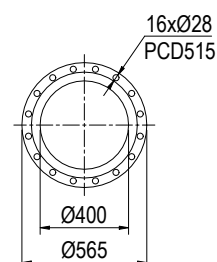
| DN Pump | PE100SDR26     |             |           |       |            |       |
|---------|----------------|-------------|-----------|-------|------------|-------|
|         | PE100<br>SDR26 | Internal ØD | 6m length |       | 12m length |       |
|         |                |             | ID        | Price | ID         | Price |
| 400     | 450            | 415,6       | ASK DESMI |       | ASK DESMI  |       |
| 500     | 560            | 517,2       | ASK DESMI |       | ASK DESMI  |       |

## NB! Approx values only

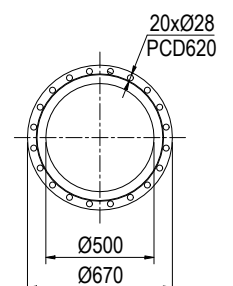
| Nom.<br>Effect | Nom.<br>Motor<br>Speed | Nom.<br>Current | Approx<br>Weight | L    | T    |
|----------------|------------------------|-----------------|------------------|------|------|
| [kW]           | [RPM]                  | [A]             | [KG]             | [MM] | [MM] |
| 15             | 720                    | 31,8            | 1171             | 1447 | 665  |
| 18,5           | 720                    | 39              | 1220             | 1462 | 680  |
| 22             | 720                    | 44,9            | 1242             | 1487 | 705  |
| 30             | 720                    | 60              | 1319             | 1557 | 775  |
| 37             | 960                    | 68,6            | 1332             | 1557 | 775  |
| 45*            | 960                    | 81,6            | 1490             | 1657 | 875  |
| 55*            | 960                    | 98,1            | 1560             | 1707 | 925  |
| 75**           | 960                    | 136,2           | 1785             | 1802 | 1020 |



## DELIVERY



## SUCTION





Gatevalve (AquaCulture) - watertight from both sides incl. EDPM gasket  
w. steel insert and bolts/washers/nuts in A4 for pump flange only

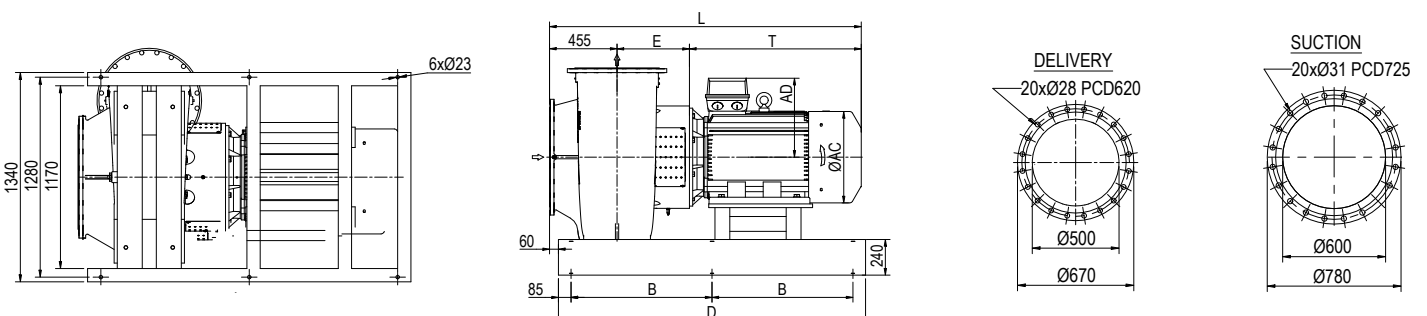
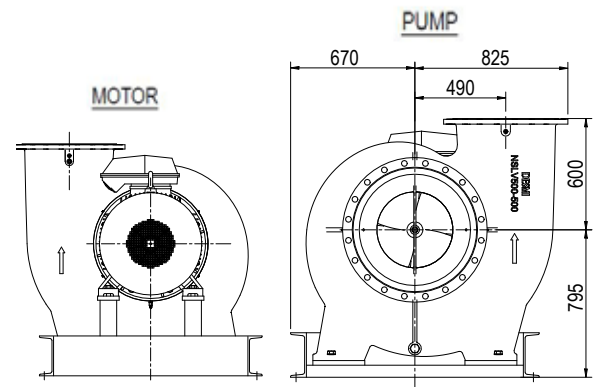
| DN Pump<br>PN 10 | PE100<br>SDR26 |  |       |           |       |  |       |        |       | Additional price for<br>electrofusion joints<br>for flange to pipe |       |
|------------------|----------------|-----------------------------------------------------------------------------------|-------|-----------|-------|------------------------------------------------------------------------------------|-------|--------|-------|--------------------------------------------------------------------|-------|
|                  |                | AISI316                                                                           |       | Duplex    |       | AISI316                                                                            |       | Duplex |       |                                                                    |       |
|                  |                | ID                                                                                | Price | ID        | Price | ID                                                                                 | Price | ID     | Price | ID                                                                 | Price |
|                  |                | 500                                                                               | 560   | ASK DESMI |       |                                                                                    |       |        |       |                                                                    |       |
| 600              | 630            | ASK DESMI                                                                         |       |           |       |                                                                                    |       |        |       |                                                                    |       |

## PE Pipes (no fittings)

| DN Pump | PE100SDR26     |             |           |       |            |       |
|---------|----------------|-------------|-----------|-------|------------|-------|
|         | PE100<br>SDR26 | Internal ØD | 6m length |       | 12m length |       |
|         |                |             | ID        | Price | ID         | Price |
| 500     | 560            | 517,2       | ASK DESMI |       | ASK DESMI  |       |
| 600     | 630            | 581,8       | ASK DESMI |       | ASK DESMI  |       |

NB! Approx values only

| Nom.<br>Effect | Nom.<br>Motor<br>Speed | Nom.<br>Current | Approx<br>Weight | L    | T    |
|----------------|------------------------|-----------------|------------------|------|------|
| [kW]           | [RPM]                  | [A]             | [KG]             | [MM] | [MM] |
| 37             | 720                    | 73,6            | 1960             | 1818 | 875  |
| 45*            | 720                    | 89,2            | 2040             | 1868 | 925  |
| 55*            | 720                    | 106             | 2472             | 1963 | 1020 |
| 75*            | 720                    | 143,6           | 2548             | 2098 | 1155 |
| 90*            | 720                    | 169,6           | 2638             | 2098 | 1155 |
| 110*           | 720                    | 206,7           | 2727             | 2098 | 1155 |
| 132*           | 720                    | 247,2           | 3392             | 2278 | 1335 |





## NSLH600-630/A02

|                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Suction DN600<br>Velocity m/s   | 2,36 | 2,55 | 2,75 | 2,95 | 3,14 | 3,34 | 3,54 | 3,73 | 3,93 | 4,13 | 4,32 | 4,52 | 4,72 | 4,91 | 5,11 | 5,31 | 5,50 | 5,70 |
| Discharge DN600<br>Velocity m/s | 2,36 | 2,55 | 2,75 | 2,95 | 3,14 | 3,34 | 3,54 | 3,73 | 3,93 | 4,13 | 4,32 | 4,52 | 4,72 | 4,91 | 5,11 | 5,31 | 5,50 | 5,70 |
| H mWC                           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 10                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2,5                             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2                               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Q m³/h                          | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 | 3800 | 4000 | 4200 | 4400 | 4600 | 4800 | 5000 | 5200 | 5400 | 5600 | 5800 |
| Q l/s                           | 667  | 722  | 778  | 833  | 889  | 944  | 1000 | 1056 | 1111 | 1167 | 1222 | 1278 | 1333 | 1389 | 1444 | 1500 | 1556 | 1611 |

| Optional Extras |                  |             |                  |                    |  |
|-----------------|------------------|-------------|------------------|--------------------|--|
| Nom. Effect     | Nom. Motor Speed | Fresh-water | Salt-water <16°C | Salt water 16-35°C |  |
|                 |                  | *1          | *2               | *3                 |  |
| [kW]            | [RPM]            | [€]         | [€]              | [€]                |  |
| 55*             | 720              | Ask DESMI   |                  |                    |  |
| 75*             | 720              | Ask DESMI   |                  |                    |  |
| 90*             | 720              | Ask DESMI   |                  |                    |  |
| 110*            | 720              | Ask DESMI   |                  |                    |  |
| 132*            | 720              | Ask DESMI   |                  |                    |  |
| 160*            | 720              | Ask DESMI   |                  |                    |  |
| 200*            | 720              | Ask DESMI   |                  |                    |  |

\* incl. Insulated bearing in NDE

End-Suction with bearing incl. Baseframe, Super Duplex Impeller, pressure gauges incl. Valve & T-Piece for customer added pressure transmitter. Standard DESMI IE3 Motor for 3 x 400 V / 50 Hz.

Spare Parts Kits are also available. Please contact DESMI on [desmi@desmi.com](mailto:desmi@desmi.com) or +45 9632 8111

**\*1** Fresh water execution  
- Casing GG20 Cast Iron,  
Shaft/impeller in super  
duplex

**\*2** Salt water execution -  
Casing = Ceramic coated  
(Belzona) grey cast iron,  
Shaft/impeller in super  
duplex, C5-M

**\*3** High temperature salt  
water execution as (\*2)  
plus high temperature  
coating process, C5-M

**\*4** Pull back only  
available for NSLH  
& NSLH180°

Gatevalve (AquaCulture) - watertight from both sides incl. EDPM gasket  
w. steel insert and bolts/washers/nuts in A4 for pump flange only

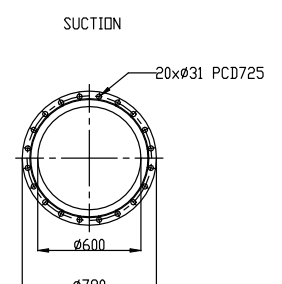
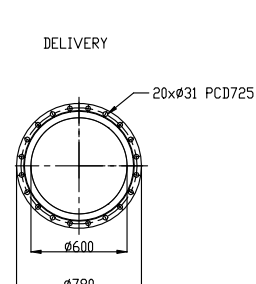
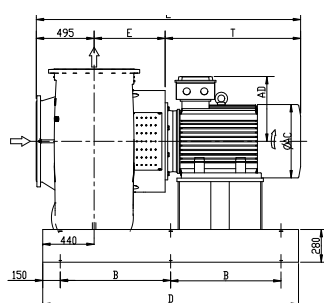
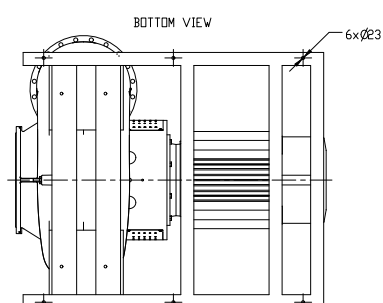
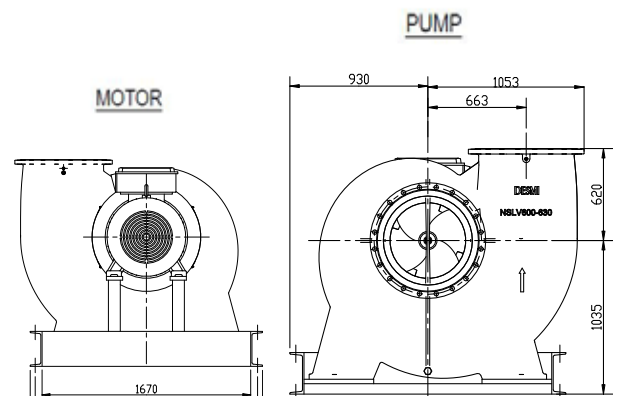
| DN Pump<br>PN 10 | PE100<br>SDR26 |  |       |        |       |  |       |        |       | Additional price for<br>electrofusion joints<br>for flange to pipe |       |
|------------------|----------------|-----------------------------------------------------------------------------------|-------|--------|-------|------------------------------------------------------------------------------------|-------|--------|-------|--------------------------------------------------------------------|-------|
|                  |                | AISI316                                                                           |       | Duplex |       | AISI316                                                                            |       | Duplex |       |                                                                    |       |
|                  |                | ID                                                                                | Price | ID     | Price | ID                                                                                 | Price | ID     | Price | ID                                                                 | Price |
| 600              | 630            | ASK DESMI                                                                         |       |        |       |                                                                                    |       |        |       |                                                                    |       |

## PE Pipes (no fittings)

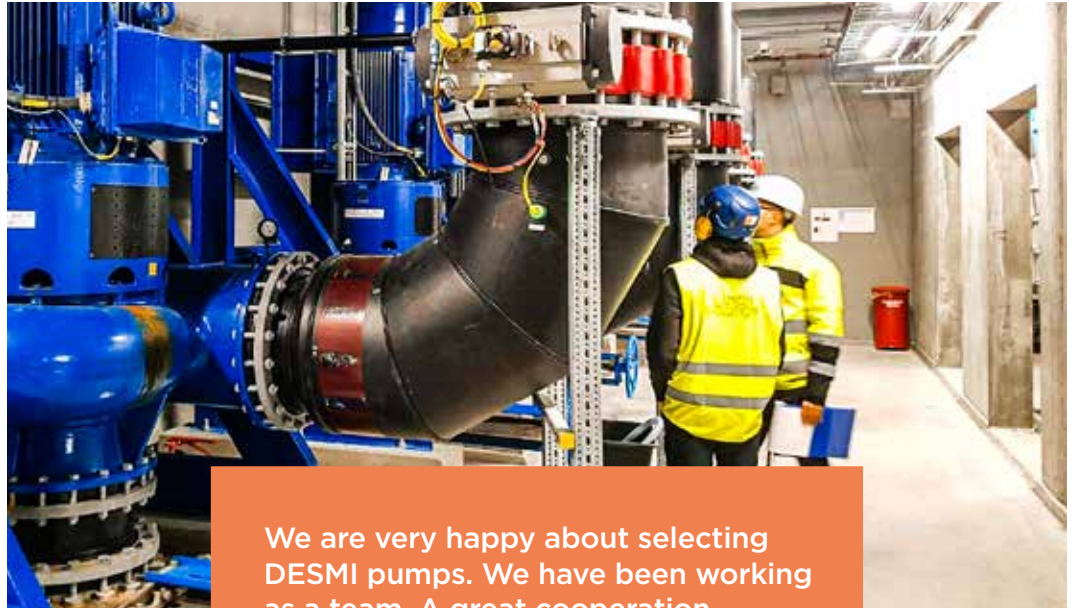
| DN Pump | PE100SDR26     |             |           |       |            |       |
|---------|----------------|-------------|-----------|-------|------------|-------|
|         | PE100<br>SDR26 | Internal ØD | 6m length |       | 12m length |       |
|         |                |             | ID        | Price | ID         | Price |
| 600     | 630            | 581,8       | ASK DESMI |       | ASK DESMI  |       |

## NB! Approx values only

| Nom. Effect | Nom. Motor Speed | Nom. Current | Approx Weight | L    | T    |
|-------------|------------------|--------------|---------------|------|------|
| [kW]        | [RPM]            | [A]          | [KG]          | [MM] | [MM] |
| 55*         | 720              | 106          | 2756          | 1963 | 1020 |
| 75*         | 720              | 144          | 2832          | 2258 | 1155 |
| 90*         | 720              | 170          | 2922          | 2258 | 1155 |
| 110*        | 720              | 207          | 3011          | 2258 | 1155 |
| 132*        | 720              | 247          | 4388          | 2438 | 1335 |
| 160*        | 720              | 299          | 4478          | 2438 | 1335 |
| 200*        | 720              | 368          | 4628          | 2438 | 1335 |



# Ensuring Fish Health for Salmon Evolution



We are very happy about selecting DESMI pumps. We have been working as a team. A great cooperation.

Hallgeir Øyen  
Technical Manager, Salmon Evolution, Norway



When Salmon Evolution were planning a new land-based HOG salmon plant, they knew they needed pumps that would last for many years, ensuring a safe and healthy environment for the fish.

The Norwegian company selected DESMI based on our reliable, high-quality, and energy-efficient pumps and competitive pricing, and our proven excellent service and aftermarket support. Technical Manager Hallgeir Øyen praised the combination of reliable products and great support.

**“The DESMI team was professional and supportive, providing efficient and effective solutions for the customer’s needs,”** he said.



## Location

Indre Harøy, Norway



## Application

Land-based plant for HOG salmon



## DESMI products

110 centrifugal pumps plus service and aftermarket support

# Optimal Environment at Sashimi Royal



We have obtained pumps capable of handling the capacities we expect and a skilled partner we hope to work with for many years.

Mikkel K. Thomsen  
CEO, Nordic Aquafarms Technology ApS, Denmark



**SASHIMI ROYAL**  
SUSTAINABLE AQUACULTURE

In a 24-tank production hall, Sashimi Royal cultivate yellowtail kingfish in ideal aquaculture conditions in Hanstholm, Denmark. DESMI pumps are playing a key role in ensuring a perfect environment for the fish.

The pumps include NSLH centrifugal pumps with a back pull-out design which enables easy maintenance without needing to alter or remove pipes or couplings. CEO Mikkel K. Thomsen of Nordic Aquafarms who designed and built the facility is happy with the solution, and with DESMI's contributions.

**“DESMI has always shown great openness and willingness to provide the right and best pumps,”** he said.



## Location

Hanstholm, Denmark



## Application

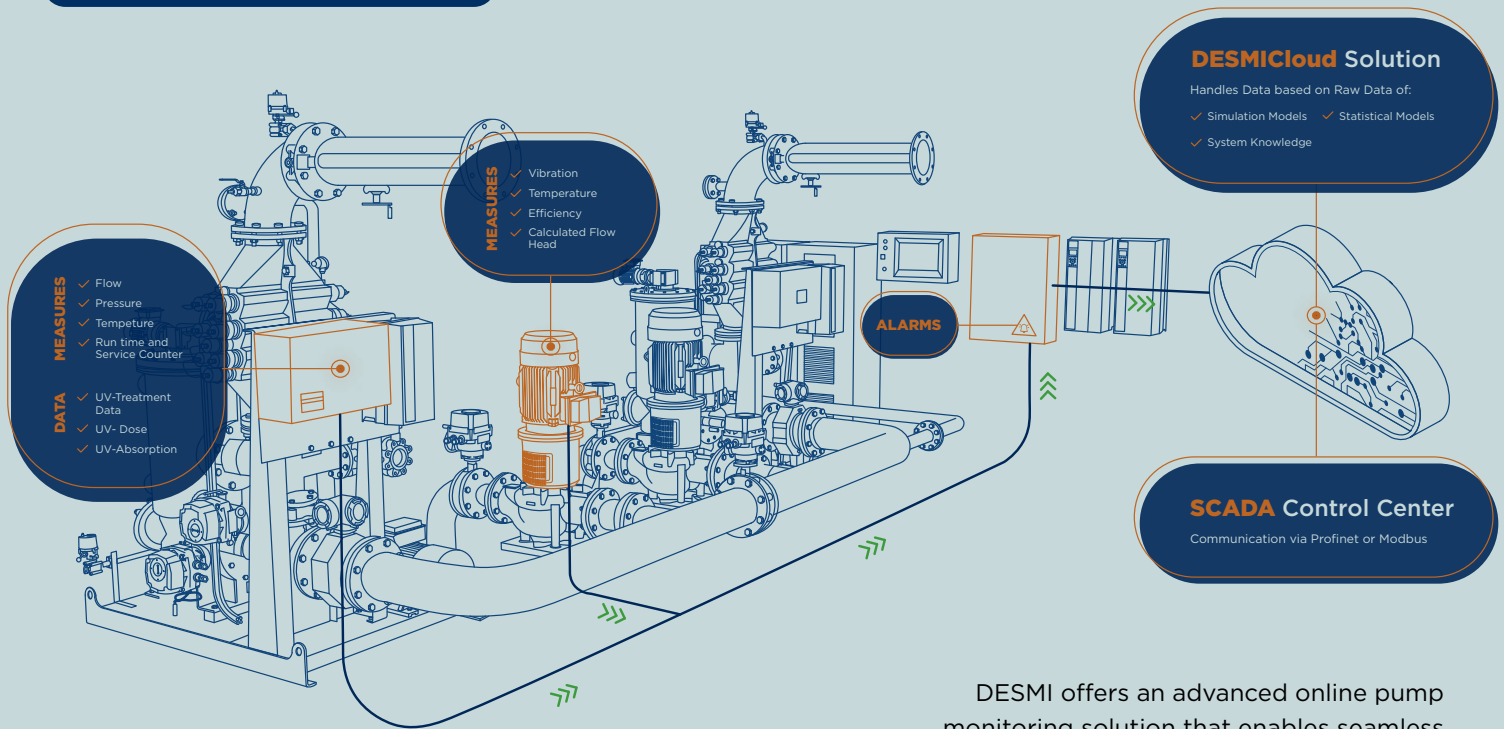
Land-based plant for yellowtail kingfish



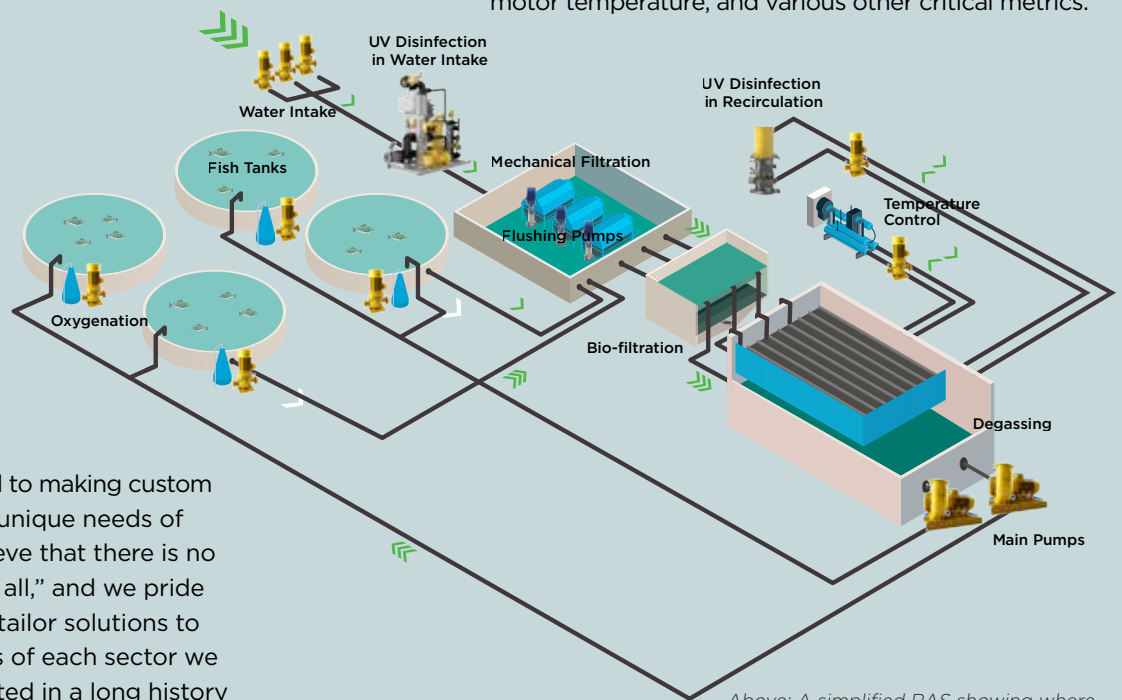
## DESMI products

30+ pumps including NSLH models with back pull-out design

## Monitoring Pump Data



DESMI offers an advanced online pump monitoring solution that enables seamless surveillance of crucial sensor-based pump parameters. This includes monitoring pump pressure at both the inlet and discharge flanges, flow rate, vibration levels, media temperature, motor temperature, and various other critical metrics.



At DESMI, we are committed to making custom solutions that cater to the unique needs of various industries. We believe that there is no such thing as "one size fits all," and we pride ourselves on our ability to tailor solutions to meet the specific demands of each sector we serve. Our approach is rooted in a long history of engineering excellence and a relentless pursuit of customer satisfaction.

Above: A simplified RAS showing where DESMI pumps and solutions can be used

Find more  
solutions on  
[desmi.com](https://desmi.com)

Call the  
DESMI Service Hotline  
round the clock  
at +45 96 32 81 10

# After-sales and service

from DESMI Service



Call us anytime and let us know what you need: Our global after-sales and service department DESMI Service offers parts and services that keep your aquaculture operation running.

Our spare part kits cover several pumps and contain the parts you need for overhauls, for example shaft seals, bearings, and O-rings. You can also order individual spare parts as needed, and for some parts or products, we ship within 48 hours.

Our highly experienced and factory trained service teams provide a long list of onsite services, from installation and commissioning to service, repair, upgrades, and maintenance, plus training and technical support – whatever it takes to optimize your critical flow processes.



Overhaul  
Videos



# We exist to keep your business flowing

DESMI works closely with aquaculture engineers, designers, and owners to keep critical production processes flowing reliably and efficiently on fish farms on land and at sea, anywhere on the planet. Our pumps, UV treatment systems, IoT offerings, and after-sales service are trusted worldwide for dependability and the lowest total cost of ownership.

At DESMI, our focus has never been on discovering what we can do – it's about pushing the boundaries of what we can do for you, no matter which type of facility and what species you work with. We help you ensure optimal production environments that keep fish stocks healthy and safe and keep your business profitable.

Founded in Denmark in 1834, we have provided the expertise, solutions, and aftermarket support our customers need for nearly two centuries. We help you operate more efficiently and reliably, enabling your ambitions for performance, food safety, and growth whilst helping you reduce your climate impact.

Together, we can make a difference, whatever the future holds. Because we, like you, are here to **make life flow**.

For more information, visit **[desmi.com](https://desmi.com)**

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