

## AS80C/N

Pompa centrifuga verticale, ad uno stadio, albero a sbalzo, bussole usura flussate dal liquido in pompaggio  
*Vertical centrifugal sump pump, single stage, cantilever shaft, bushings fluxed by pumped liquid*  
*Pompe centrifuge verticale, immergée, à un étage, arbre guidé par douilles lubrifiées par le liquide en pompage*

|                                                                                                 |          |                                                                                             |                                                                                  |    |
|-------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----|
| Girante sospesa chiusa<br><i>Closed overhung impeller</i><br><i>Roue fermée en porte-à-faux</i> | Ø 195 mm | Tubo guaina flangiata<br><i>Flanged column pipe</i><br><i>Tube intermédiaire avec bride</i> | Lunghezza pompa (quota G)<br><i>Pump length (G dimension)</i><br><i>Longueur</i> | mm |
|-------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----|

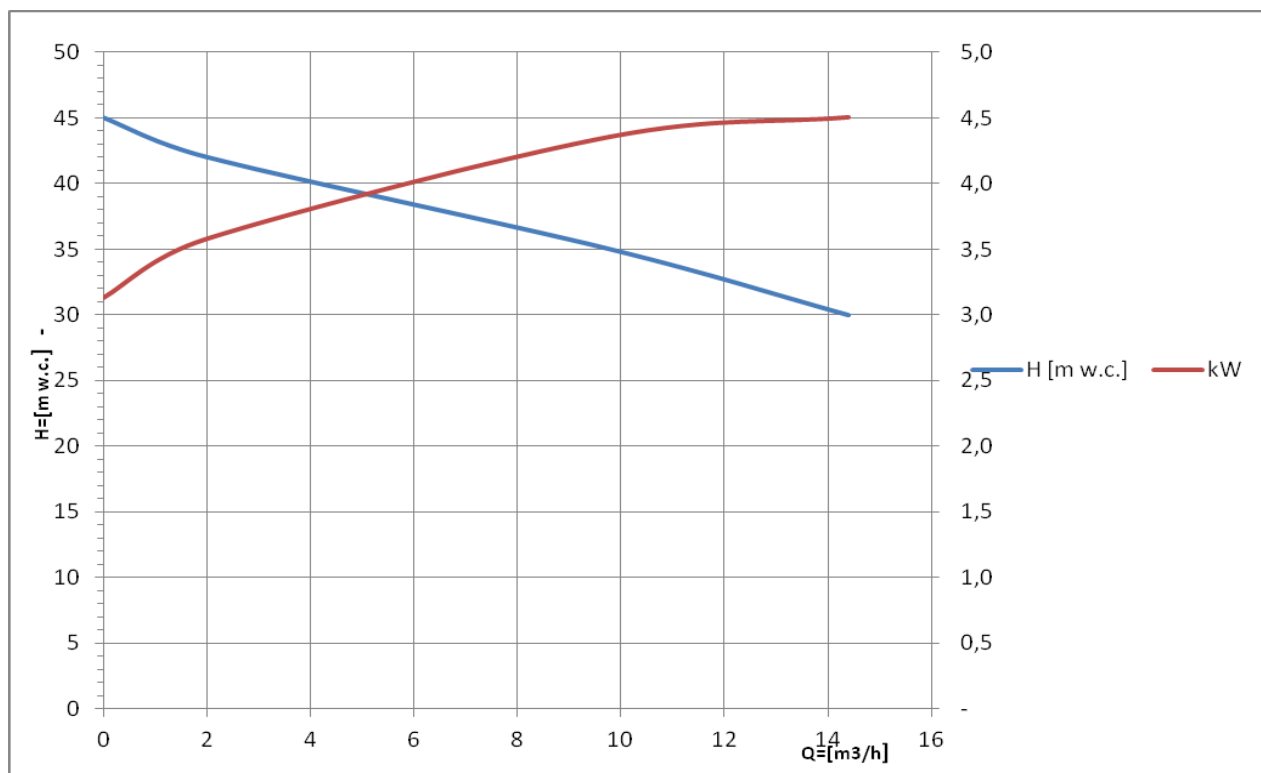
|                                                                                             |                                                    |       |                                |                    |           |
|---------------------------------------------------------------------------------------------|----------------------------------------------------|-------|--------------------------------|--------------------|-----------|
| Bocchelli aspirazione/mandata<br>Nozzles suction/discharge<br>Brides aspiration/refoulement |                                                    |       | Peso<br>weight<br>poids        | netto <i>net</i>   | <i>Kg</i> |
|                                                                                             | Flangia libera – <i>Backing ring – Bride libre</i> | DN 80 |                                | lordo <i>gross</i> | <i>Kg</i> |
|                                                                                             |                                                    |       | Dimensioni - <i>dimensions</i> |                    | <i>mm</i> |

|                                                                                                                   |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Motore elettrico trifase CVE<br><i>Three-phases electric motor TEFC</i><br><i>Moteur électrique triphasés FVE</i> | kW 5.5 – 2800 rpm - IP55 - F/B Insulation class - Volt 400/420 - 230/240 Hz 50 A 10.5 |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

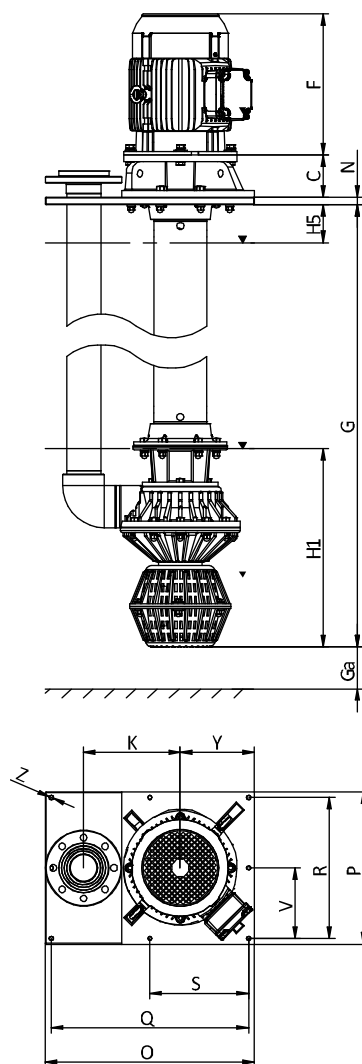
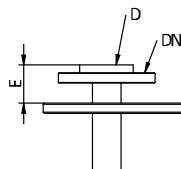
**Tabella prestazioni - Performances table - Données**

|   | current | pot. ass.-ads. power-puiss.abs. |     |     | portata-delivery-débit |      | head   | eff. | kW 5,5       | kW 7,5       |       |
|---|---------|---------------------------------|-----|-----|------------------------|------|--------|------|--------------|--------------|-------|
|   | V       | A                               | kW  | HP  | l/min                  | m³/h | m w.c. | %    | SG kg/m³ max | SG kg/m³ max | dB(A) |
| 1 | 400     | 9.4                             | 4.9 | 6.6 | 250                    | 15.0 | 25     | 22   | 1100         | 1400         | 75    |
| 2 |         | 8.5                             | 4.5 | 6.0 | 240                    | 14.4 | 30     | 28   | 1250         | 1600         |       |
| 3 |         | 8.2                             | 4.3 | 5.8 | 160                    | 9.6  | 35     | 22   | 1350         | 1700         |       |
| 4 |         | 6.7                             | 3.5 | 4.8 | 60                     | 3.6  | 40     | 6    | 1500         | 1850         |       |
| 5 |         | 5.9                             | 3.1 | 4.2 | 0                      | 0    | 45     | 0    | 1800         | 1950         |       |
| 6 |         |                                 |     |     |                        |      |        |      |              |              |       |

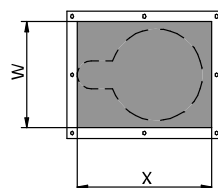
**Curva –Curve - Curbe**



## AS80 – PP / PVC / PVDF – Length: 800 - 1950 mm


Attacchi – *Connections*


Flangia libera  
*Backing ring*

Foro montaggio – *Assembly opening*


- Ga** Distanza minima dal fondo vasca  
*Minimum clearance from bottom vessel*
- G<sub>max</sub>** Lunghezza massima della pompa (G)  
*Maximum pump length (G)*
- G<sub>min</sub>** Lunghezza minima della pompa (G)  
*Minimum pump length (G)*
- H1** Sommergenza minima  
*Minimum submergence*
- H5** Livello massimo  
*Maximum level*

\*Dimensioni e pesi suscettibili di variazione  
*\*Dimensions and weights subject to variations*

Motore – *Motor*

| kW  | Poles | IEC Frame | F*  | kg*  |
|-----|-------|-----------|-----|------|
| 2.2 | 4     | 100L      | 315 | 31.5 |
| 5.5 | 2     | 132S      | 370 | 65   |
| 7.5 | 2     | 132S      | 370 | 69   |
| 9.2 | 2     | 132M      | 405 | 78   |
| 11  | 2     | 160M      | 490 | 115  |
| 15  | 2     | 160M      | 490 | 119  |

Pompa – *Pump*

| IEC Frame      | C   | G <sub>min</sub> | G <sub>max</sub> | Ga  | H1  | H5  | K   | N  | Y   | kg* (PP) |
|----------------|-----|------------------|------------------|-----|-----|-----|-----|----|-----|----------|
| 100L/132S/132M | 110 | 800              | 1950             | 100 | 530 | 100 | 255 | 20 | 195 | 41.7     |
| 160M           | 110 | 800              | 1950             | 100 | 530 | 100 | 305 | 30 | 195 | 48.4     |

Flangia d'appoggio – *Mounting plate*

| IEC Frame      | O   | P   | Q   | R   | S   | V   | ØZ   |
|----------------|-----|-----|-----|-----|-----|-----|------|
| 100L/132S/132M | 550 | 400 | 520 | 370 | 260 | 185 | 10.5 |
| 160M           | 600 | 400 | 570 | 370 | 285 | 185 | 10.5 |

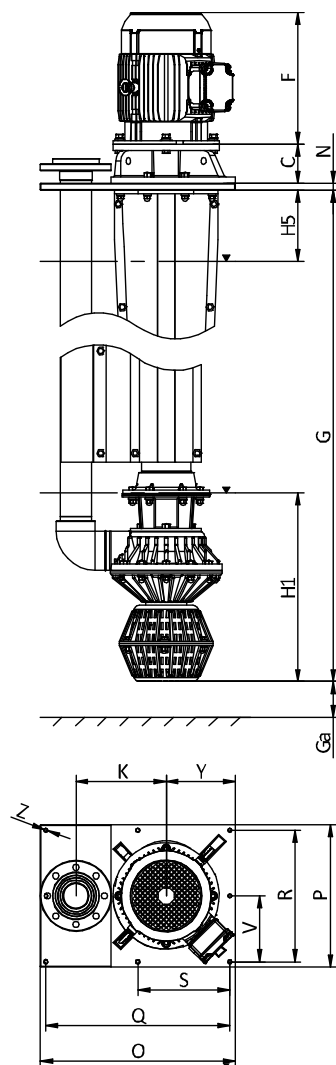
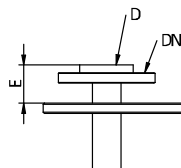
Attacchi – *Connections*

|                                        |                             | E  | D  | DN |
|----------------------------------------|-----------------------------|----|----|----|
| Flangia libera – <i>Backing ring</i>   | PN10/16 EN1092-1 (DIN 2501) | 70 | 90 | 80 |
| Flangia libera – <i>Backing ring</i>   | ANSI B 16.5 150 lbs         | 70 | 90 | 3" |
| Portagomma – Hose adaptor              | ISO 228/1                   | -  | -  | -  |
| Filetto maschio – <i>Male threaded</i> | ISO 228/1                   | -  | -  | -  |

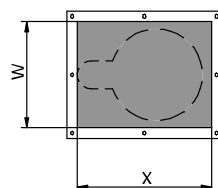
Foro di montaggio – *Assembly opening*

| IEC Frame      | K   | R1 | R2 | W   | X   | Y   |
|----------------|-----|----|----|-----|-----|-----|
| 100L/132M/132S | 255 | -  | -  | 320 | 470 | 195 |
| 160M           | 305 | -  | -  | 320 | 520 | 195 |

## AS80 – PP / PVC / PVDF – Length: 2000 - 3000 mm


Attacchi – *Connections*


Flangia libera  
*Backing ring*

Foro montaggio – *Assembly opening*


- Ga** Distanza minima dal fondo vasca  
*Minimum clearance from bottom vessel*
- G<sub>max</sub>** Lunghezza massima della pompa (G)  
*Maximum pump length (G)*
- G<sub>min</sub>** Lunghezza minima della pompa (G)  
*Minimum pump length (G)*
- H1** Sommergenza minima  
*Minimum submergence*
- H5** Livello massimo  
*Maximum level*

\*Dimensioni e pesi suscettibili di variazione

\*Dimensions and weights subject to variations

Motore – *Motor*

| kW  | Poles | IEC Frame | F*  | kg*  |
|-----|-------|-----------|-----|------|
| 2.2 | 4     | 100L      | 315 | 31.5 |
| 5.5 | 2     | 132S      | 370 | 65   |
| 7.5 | 2     | 132S      | 370 | 69   |
| 9.2 | 2     | 132M      | 405 | 78   |
| 11  | 2     | 160M      | 490 | 115  |
| 15  | 2     | 160M      | 490 | 119  |

Pompa – *Pump*

| IEC Frame      | C   | G <sub>min</sub> | G <sub>max</sub> | Ga  | H1  | H5  | K   | N  | Y   | kg* (PP) |
|----------------|-----|------------------|------------------|-----|-----|-----|-----|----|-----|----------|
| 100L/132S/132M | 110 | 2000             | 3000             | 100 | 530 | 200 | 255 | 20 | 195 | 69.5     |
| 160M           | 110 | 2000             | 3000             | 100 | 530 | 200 | 305 | 30 | 195 | 78.9     |

Flangia d'appoggio – *Mounting plate*

| IEC Frame      | O   | P   | Q   | R   | S   | V   | ØZ   |
|----------------|-----|-----|-----|-----|-----|-----|------|
| 100L/132S/132M | 550 | 400 | 520 | 370 | 260 | 185 | 10.5 |
| 160M           | 600 | 400 | 570 | 370 | 285 | 185 | 10.5 |

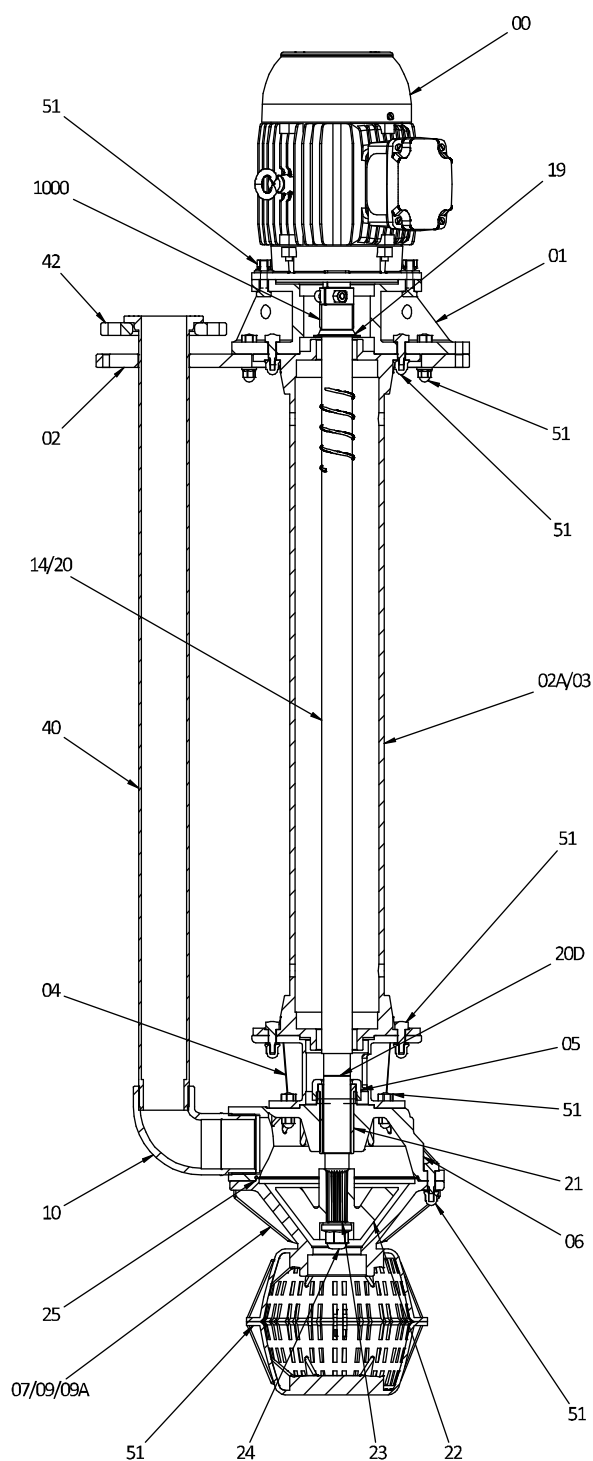
Attacchi – *Connections*

|                                        |                             | E  | D  | DN |
|----------------------------------------|-----------------------------|----|----|----|
| Flangia libera – <i>Backing ring</i>   | PN10/16 EN1092-1 (DIN 2501) | 70 | 90 | 80 |
| Flangia libera – <i>Backing ring</i>   | ANSI B 16.5 150 lbs         | 70 | 90 | 3" |
| Portagomma – Hose adaptor              | ISO 228/1                   | -  | -  | -  |
| Filetto maschio – <i>Male threaded</i> | ISO 228/1                   | -  | -  | -  |

Foro di montaggio – *Assembly opening*

| IEC Frame      | K   | R1 | R2 | W   | X   | Y   |
|----------------|-----|----|----|-----|-----|-----|
| 100L/132S/132M | 255 | -  | -  | 320 | 470 | 195 |
| 160M           | 305 | -  | -  | 320 | 520 | 195 |

## AS80 – PP / PVC / PVDF – Length: 800 - 1950 mm



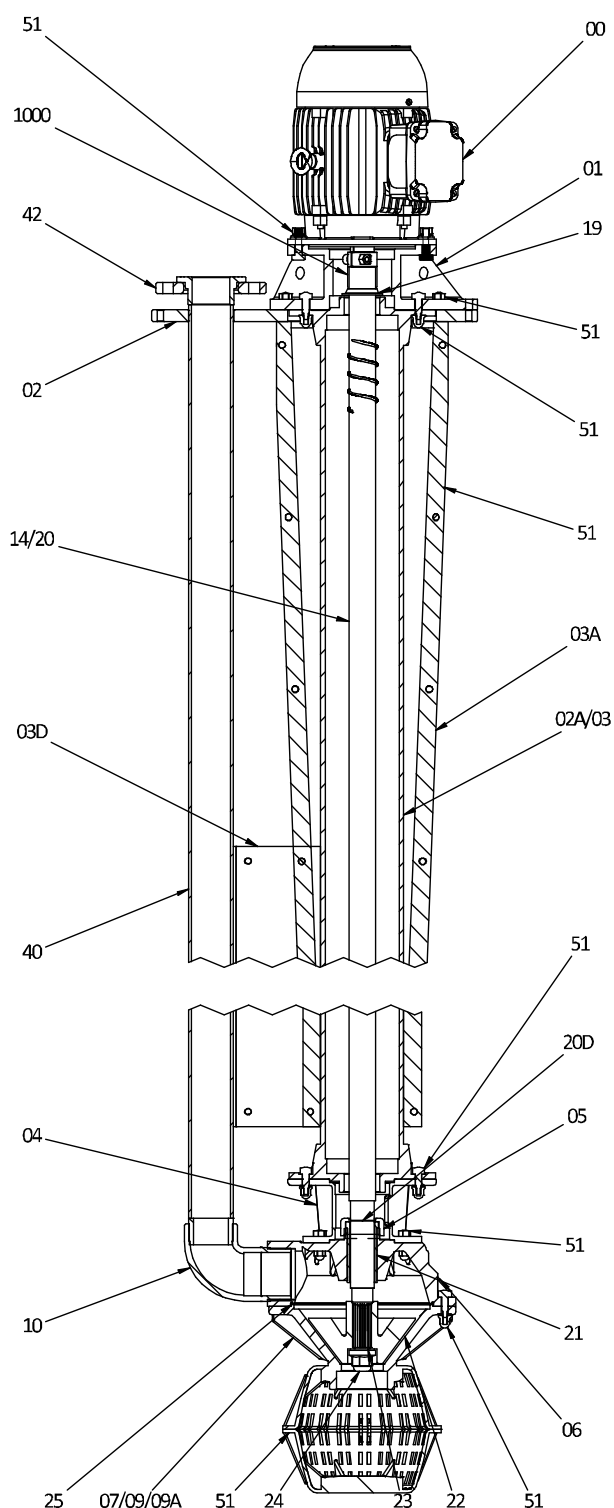
Flangia libera Backing ring

| Codice<br>Part-No. | Denominazione<br>Designation                                     | Qt. |
|--------------------|------------------------------------------------------------------|-----|
| 00                 | Motore<br>Electric Motor                                         | 1   |
| 01                 | Castelletto motore<br>Motor stool                                | 1   |
| 02                 | Flangia appoggio<br>Support plate                                | 1   |
| 02A/03             | Guaina completa<br>Support column                                | 1   |
| 04                 | Castelletto pompa<br>Pump stool                                  | 1   |
| 05                 | Ghiera<br>Ring nut                                               | 1   |
| 06                 | Corpo pompa<br>Pump casing                                       | 1   |
| 07/09/09A          | Coperchio pompa con cestello<br>Pump cover with suction strainer | 1   |
| 10                 | Gomito mandata<br>Delivery elbow                                 | 1   |
| 11A                | Nipplo<br>Nipple                                                 | 1   |
| 12/13              | Portagomma<br>Hose adaptor                                       | 1   |
| 14/20              | Albero completo<br>Complete shaft                                | 1   |
| 19                 | Deflettore<br>Baffle                                             | 1   |
| 20D                | Bussola albero<br>Shaft bushing                                  | 1   |
| 21                 | Bussola pompa<br>Pump bushing                                    | 1   |
| 22                 | Girante<br>Impeller                                              | 1   |
| 23                 | Rondella girante<br>Impeller washer                              | 1   |
| 24                 | Dado girante<br>Impeller nut                                     | 1   |
| 25                 | O Ring<br>O Ring                                                 | 1   |
| 40                 | Tubo mandata<br>Delivery pipe                                    | 1   |
| 42                 | Flangia libera<br>Backing ring                                   | 1   |
| 51                 | Serie Bulloneria/Rondelle<br>Nuts/Bolts/Washers Set              | 1   |

## OPZIONI MATERIALI – MATERIAL OPTIONS

|                                         |                                                                                                            |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------|
| Corpo - Guaina<br>Pump casing - Support | PP - PVC - PVDF                                                                                            |
| Coperchio - Girante<br>Cover - Impeller | PP - PVC - PVDF - PEHD                                                                                     |
| Bussole di guida<br>Bushings            | PTFE caricato - Al <sub>2</sub> O <sub>3</sub> - SiC<br>PTFE filled - Al <sub>2</sub> O <sub>3</sub> - SiC |
| Albero<br>Shaft                         | SS rivestito in PP - PVC - PVDF<br>SS covered in PP - PVC - PVDF                                           |
| O Ring<br>O Ring                        | EPDM - FPM                                                                                                 |
| Bulloneria<br>Bolts and nuts            | SS - BR rivestiti in PP - PVC - PVDF<br>SS - BR covered in PP - PVC - PVDF                                 |

## AS80 – PP / PVC / PVDF – Length: 2000 - 3000 mm



Flangia libera Backing ring

| Codice<br>Part-No. | Denominazione<br>Designation                                     | Qt. |
|--------------------|------------------------------------------------------------------|-----|
| 00                 | Motore<br>Electric Motor                                         | 1   |
| 01                 | Castelletto motore<br>Motor stool                                | 1   |
| 02                 | Flangia appoggio<br>Support plate                                | 1   |
| 02A/03             | Guaina completa<br>Support column                                | 1   |
| 03A                | Rinforzo guaina<br>Support column reinforcement                  | 1   |
| 03D                | Rinforzo mandata<br>Delivery pipe reinforcement                  | 1   |
| 04                 | Castelletto pompa<br>Pump stool                                  | 1   |
| 05                 | Ghiera<br>Ring nut                                               | 1   |
| 06                 | Corpo pompa<br>Pump casing                                       | 1   |
| 07/09/09A          | Coperchio pompa con cestello<br>Pump cover with suction strainer | 1   |
| 10                 | Gomito mandata<br>Delivery elbow                                 | 1   |
| 11A                | Nipplo<br>Nipple                                                 | 1   |
| 12/13              | Portagomma<br>Hose adaptor                                       | 1   |
| 14/20              | Albero completo<br>Complete shaft                                | 1   |
| 19                 | Deflettore<br>Baffle                                             | 1   |
| 20D                | Bussola albero<br>Shaft bushing                                  | 1   |
| 21                 | Bussola pompa<br>Pump bushing                                    | 1   |
| 22                 | Girante<br>Impeller                                              | 1   |
| 23                 | Rondella girante<br>Impeller washer                              | 1   |
| 24                 | Dado girante<br>Impeller nut                                     | 1   |
| 25                 | O Ring<br>O Ring                                                 | 1   |
| 40                 | Tubo mandata<br>Delivery pipe                                    | 1   |
| 42                 | Flangia libera<br>Backing ring                                   | 1   |
| 51                 | Serie Bulloneria/Rondelle<br>Nuts/Bolts/Washers Set              | 1   |

## OPZIONI MATERIALI – MATERIAL OPTIONS

|                                         |                                                                                                            |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------|
| Corpo - Guaina<br>Pump casing - Support | PP - PVC - PVDF                                                                                            |
| Coperchio - Girante<br>Cover - Impeller | PP - PVC - PVDF - PEHD                                                                                     |
| Bussole di guida<br>Bushings            | PTFE caricato - Al <sub>2</sub> O <sub>3</sub> - SiC<br>PTFE filled - Al <sub>2</sub> O <sub>3</sub> - SiC |
| Albero<br>Shaft                         | SS rivestito in PP - PVC - PVDF<br>SS covered in PP - PVC - PVDF                                           |
| O Ring<br>O Ring                        | EPDM - FPM                                                                                                 |
| Bulloneria<br>Bolts and nuts            | SS - BR rivestiti in PP - PVC - PVDF<br>SS - BR covered in PP - PVC - PVDF                                 |
| Rinforzi<br>Reinforcements              | PRFV                                                                                                       |