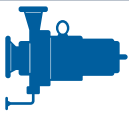
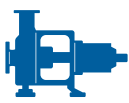
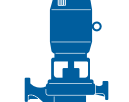
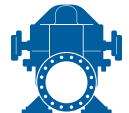


## Horizontal Pumps

| PRODUCT CATEGORY |                                          | RP MODEL                                       | DESCRIPTION                                                                                | DESIGN STANDARD                                                          | Oil & Gas                                               | Power       | Industrial  | Water       | Chemical    | Mining      | Fire        |                                                                                       |                                                                                       |
|------------------|------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| OVERHUNG         | Sealless Magnetic Drive Pumps            | CRP-M                                          | Sealless process pump with magnetic drive acc. to DIN EN ISO                               | DIN EN ISO 2858 & 15783 HI design (OH11)                                 | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |    |                                                                                       |
|                  |                                          | SCE-M                                          | Heavy-duty process pump with magnetic drive acc. to API                                    | API 685                                                                  | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |                                                                                       |                                                                                       |
|                  | Foot Mounted OH1 and General End Suction | IPP                                            | End suction pump dimensionally compliant with the ANSI B73.1 standard                      | HI design (OH1)                                                          | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |    |
|                  |                                          | CPP / CPP-L                                    | Single stage, end suction ANSI process pump (enclosed impeller)                            | HI design (OH1) ANSI B73.1                                               | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          | CPO / CPO-L                                    | Single stage, end suction ANSI process pump (open impeller)                                | HI design (OH1) ANSI B73.1                                               | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          | CRP                                            | Single stage, end suction ISO process pump                                                 | HI design (OH1) ISO 2858 & 5199                                          | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          | GSD                                            | Single stage, end suction general service pump                                             | HI design (OH0)                                                          | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |    |
|                  |                                          | SHD / ESK / SK SKO / SKV / ST / STV            | Single stage, end suction pump (solids handling) in horizontal and vertical configurations | HI design (OH1)                                                          | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          | SD / SDV                                       | Single stage, end suction pump in horizontal and vertical installations                    | HI design (OH3A)                                                         | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |
|                  |                                          | SWP                                            | Self-priming pump for solids handling applications                                         | HI design (OH1A)                                                         | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  | Centerline Mounted                       | SCE                                            | Horizontal, centerline supported, single stage API process pump                            | API 610 (OH2)                                                            | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |
|                  | Flexibly Coupled                         | Vertical In-Line                               | SPI                                                                                        | Vertical in-line API process pump (flexibly coupled)                     | API 610 (OH3)                                           | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |
|                  |                                          |                                                | IVP                                                                                        | Vertical in-line pump in split and close coupled configurations          | HI design (OH4 / OH5)                                   | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          |                                                | IIL                                                                                        | Vertical in-line process pump (close coupled)                            | HI design (OH5) Dimensionally compliant with ANSI B73.2 | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          |                                                | SPN                                                                                        | Vertical in-line API process pump (close coupled)                        | API 610 (OH5)                                           | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          | Horizontal                                     | GSD-C                                                                                      | Single stage, general service pump (close coupled)                       | HI design (OH7)                                         | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |
|                  |                                          |                                                |                                                                                            |                                                                          |                                                         |             |             |             |             |             |             |                                                                                       |                                                                                       |
| 1 and 2 stage    | Axially Split                            | HSC / HSD / HSL HSR / ZW                       | Horizontal, single stage, split case pumps                                                 | HI design (BB1)                                                          | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |  |                                                                                       |
|                  |                                          | HSM                                            | Horizontal, multi-stage, split case pump for high pressure applications                    | HI design (BB3)                                                          | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |                                                                                       |                                                                                       |
|                  |                                          | ZM / ZMS / ZLM (diffuser) ZME (bottom suction) | Axially split, single or double stage, API process pumps                                   | API 610 (BB1)                                                            | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |                                                                                       |                                                                                       |
|                  | Radially Split                           | HVN / J / JS / JD                              | Radially split, single stage, process pump                                                 | API 610 (BB2)                                                            | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |  |                                                                                       |
|                  |                                          | RON / RON-D                                    | Radially split, two stage, process pump                                                    | API 610 (BB2)                                                            | <div></div>                                             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |                                                                                       |                                                                                       |
|                  | Multi-stage                              | Axially Split                                  | SM / SM-I                                                                                  | Axially split, multi-stage, double volute casing process pump            | API 610 (BB3)                                           | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |
|                  |                                          |                                                | JTN                                                                                        | Axially split, multi-stage, diffuser casing process pump                 | API 610 (BB3)                                           | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |                                                                                       |
|                  |                                          | Radially Split Single Casing                   | GP                                                                                         | Radially split, multi-stage, single case, ring-section type process pump | API 610 (BB4)                                           | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |
|                  |                                          | Radially Split Double Casing                   | A LINE [A, AB, ADC, ADSL]                                                                  | Radially split, multi-stage, double case, barrel type process pump       | API 610 (BB5)                                           | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div>                                                                           |  |

Vertical and Special Service Pumps

| PRODUCT CATEGORY |                                | RP MODEL                                                                                                                                                                                            | DESCRIPTION                                                                                 | DESIGN STANDARD                                                              | Oil & Gas                                                                                                                                                                | Power | Industrial | Water | Chemical | Mining | Fire |                                                                                       |
|------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|-------|----------|--------|------|---------------------------------------------------------------------------------------|
| VERTICAL         | Single Casing                  | VTP                                                                                                                                                                                                 | Multi-stage, vertical turbine pumps with diffuser type bowl                                 | HI & API 610 (VS1)                                                           |                                                                                                                                                                          |       |            |       |          |        |      |    |
|                  |                                | VCT<br>[HX, KX, MX, RX, SX, TR, VX, VMF, WX]                                                                                                                                                        | Single or multi-stage, mixed and radial flow circulating pumps for wet pit applications     | HI & API 610 (VS1)                                                           |                                                                                                                                                                          |       |            |       |          |        |      |                                                                                       |
|                  |                                | HQ                                                                                                                                                                                                  | Standard, vertical circulator, multi-stage pump                                             | HI & API 610 (VS1)                                                           |                                                                                                                                                                          |       |            |       |          |        |      |                                                                                       |
|                  |                                | VLТ                                                                                                                                                                                                 | Single or multi-stage, vertical turbine pumps with diffuser type bowl                       | HI & API 610 (VS1)                                                           |                                                                                                                                                                          |       |            |       |          |        |      |                                                                                       |
|                  | Volute                         | DSV / DX                                                                                                                                                                                            | Heavy-duty, double suction, single or multi-stage, centrifugal pump                         | HI & API 610 (VS2)                                                           |                                                                                                                                                                          |       |            |       |          |        |      |    |
|                  |                                | Discharge through column - Axial flow                                                                                                                                                               | VAF<br>[POV, PV, PMR, VPO, PVD]                                                             | Axial flow impeller for low head applications                                | HI & API 610 (VS3)                                                                                                                                                       |       |            |       |          |        |      |                                                                                       |
|                  |                                | Separate discharge line                                                                                                                                                                             | VSP / VSP-Chem                                                                              | Single casing, vertical sump pumps                                           | HI & API 610 (VS4)                                                                                                                                                       |       |            |       |          |        |      |                                                                                       |
|                  | Double Casing                  | Diffuser                                                                                                                                                                                            | VLТ / VMT                                                                                   | Single or multi-stage, vertical canned pumps                                 | HI & API 610 (VS6)                                                                                                                                                       |       |            |       |          |        |      |   |
|                  |                                | Volute                                                                                                                                                                                              | DSV / DX                                                                                    | Heavy-duty, double suction, single or multi-stage, canned centrifugal design | HI & API 610 (VS7)                                                                                                                                                       |       |            |       |          |        |      |                                                                                       |
|                  | Submersible Pumps              | SMF<br>[PVT, PV, SKT, STT, TRT]                                                                                                                                                                     | Vertical submersible mixed flow pump for installation in a steel tube or concrete well      | HI design (OH8A)                                                             |                                                                                                                                                                          |       |            |       |          |        |      |  |
|                  |                                | VLТ-Sub<br>VTP - Sub                                                                                                                                                                                | Vertical submersible, single or multi-stage, turbine pumps with diffuser type bowl          | HI design (VS0)                                                              |                                                                                                                                                                          |       |            |       |          |        |      |                                                                                       |
| SPECIAL SERVICE  | Pitot Tube Pumps               | COMBITUBE                                                                                                                                                                                           | Single stage, pitot tube pump for low flow, high head applications                          | HI design                                                                    |                                                                                                                                                                          |       |            |       |          |        |      |  |
|                  | Reciprocating Pumps            | RDP                                                                                                                                                                                                 | Reciprocating plunger pumps in triplex and quintuplex formats                               | API 674<br>ISO 13710                                                         |                                                                                                                                                                          |       |            |       |          |        |      |  |
|                  | Vertical Turbine Generator     | VTG                                                                                                                                                                                                 | Multi-stage, vertical turbine generators (reverse running pumps)                            | HI design (VS6)                                                              |                                                                                                                                                                          |       |            |       |          |        |      |  |
|                  | Barge                          | LS BARGE                                                                                                                                                                                            | Vertical high flow, self-priming pump                                                       | HI design                                                                    |                                                                                                                                                                          |       |            |       |          |        |      |  |
|                  | Floating Dock Pumps            | ZVZ                                                                                                                                                                                                 | Single stage, double suction, floating dock pump                                            | HI design                                                                    | Main bilge pump on floating docks                                                                                                                                        |       |            |       |          |        |      |  |
|                  |                                | LVZ                                                                                                                                                                                                 | Single or multi-stage, single suction, floating dock pump                                   | HI design                                                                    | Wash-down pumps in floating docks / Fire protection service                                                                                                              |       |            |       |          |        |      |  |
|                  | Cryogenic Pumps                | SVNV                                                                                                                                                                                                | OH2 pump in vertical configuration for low temperature                                      | -                                                                            | Cryogenic closed systems<br>Cryo services:<br>Liquid nitrogen / Liquid oxygen<br>Hydrocarbons / LNG                                                                      |       |            |       |          |        |      |  |
|                  |                                | VTG Cryogenic                                                                                                                                                                                       | Multi-stage, vertical centrifugal pump and turbine generator for low temperature            | -                                                                            |                                                                                                                                                                          |       |            |       |          |        |      |                                                                                       |
|                  |                                | VLТ Cryogenic<br>VLTV                                                                                                                                                                               | Single or multi-stage, vertical umps for low temperature, cryogenic liquids                 | -                                                                            |                                                                                                                                                                          |       |            |       |          |        |      |                                                                                       |
|                  | Horizontal Turbine Pumps       | HTP                                                                                                                                                                                                 | High-performance horizontal turbine pumps for demanding industrial and energy applications. | API 610 Hydraulics                                                           | Oil & Gas<br>Power<br>Mining<br>Industrial                                                                                                                               |       |            |       |          |        |      |  |
|                  | Lubrication Systems            |                                                                                                                                                                                                     | API 614 compliant lubrication systems for rotating equipment.                               | API 614                                                                      | Oil & Gas<br>Power<br>Chemical                                                                                                                                           |       |            |       |          |        |      |                                                                                       |
|                  | Engineered Systems             |                                                                                                                                                                                                     | Complete plug and play pumping solutions.                                                   | -                                                                            | Oil & Gas<br>Power Industrial<br>Water Industrial<br>Chemical                                                                                                            |       |            |       |          |        |      |                                                                                       |
|                  | Seal Plans 52 and 53A          |                                                                                                                                                                                                     | API 682 compliant seal support systems.                                                     | API 682 (4th edition)                                                        | Foot and Pharma (Plan 52)<br>Process Industries (Plan 53A)                                                                                                               |       |            |       |          |        |      |                                                                                       |
|                  | Pre-packaged Fire Pump Systems | Fire Systems incorporate pumps, drivers, control systems and pipework in a single container. They can be skid mounted, with or without enclosure and supplied with electric motor or diesel engine. |                                                                                             | NFPA 20-850<br>UL and FM approved components                                 | Commercial, municipal and residential high-rise buildings, large industrial premises and storage warehouses, offshore and remote facilities, airports, power stations... |       |            |       |          |        |      |                                                                                       |

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