

# Single or multistage vertical (can) pump with submerged casing

For clear, toxic, corrosive,  
flammable liquids

# VN - VNC

Version API 610 (VS1)



## VN :

/ Clear liquids : clear water, seawater, hydrocarbons, condensate, acids, ...

## VNC :

/ Can-mounted design for liquid with high vapour pressure/ low NPSH (liquified gas, condensate extraction)

## Design :

- / No radial force on column sleeve bearings due to the concentric discharge
- / No axial thrust due to the wear ring at the back of the impellers and balancing holes in impeller hub
- / Grease lubricated thrust ball bearings (oil lubricated upon request)
- / Shaft sealing : conventional packing rings or mechanical seal (single, double or tandem)
- / Sleeve bearings are lubricated normally by pumped liquid but if there are solids in the liquid it's possible to lubricate them by grease or with clean liquid injection on the sleeve bearings
- / Inducer may be fitted to reduce the required NPSH value of the pump
- / Removable shaft sleeve under sleeve bearing and packing rings
- / Maximum length : 16 m
- / Upon request : possibility to supply suction strainer and foundation rings

## Performances :

- / Capacity: up to 300 m<sup>3</sup>/h (1320 US gpm)
- / Total head: up to 280 m (918 ft)
- / Maximum operating pressure : 25 bar (326 PSI)
- / Operating temperature range : up to 120 °C (up to 248 °F)
- / Higher capacities and heads upon request

## Standard materials :

- / Materials as per API standards : I1, S1, S5, S6, C6, A8, D1
- / Other materials available upon request

## Industrial applications :

- / Water feeding
- / Fire fighting
- / Potable water distribution
- / Water treatment
- / Seawater desalination
- / Irrigation
- / Condensate
- / The barrel pumps VNC : where horizontal pump cannot be installed due to the low NPSH available

