

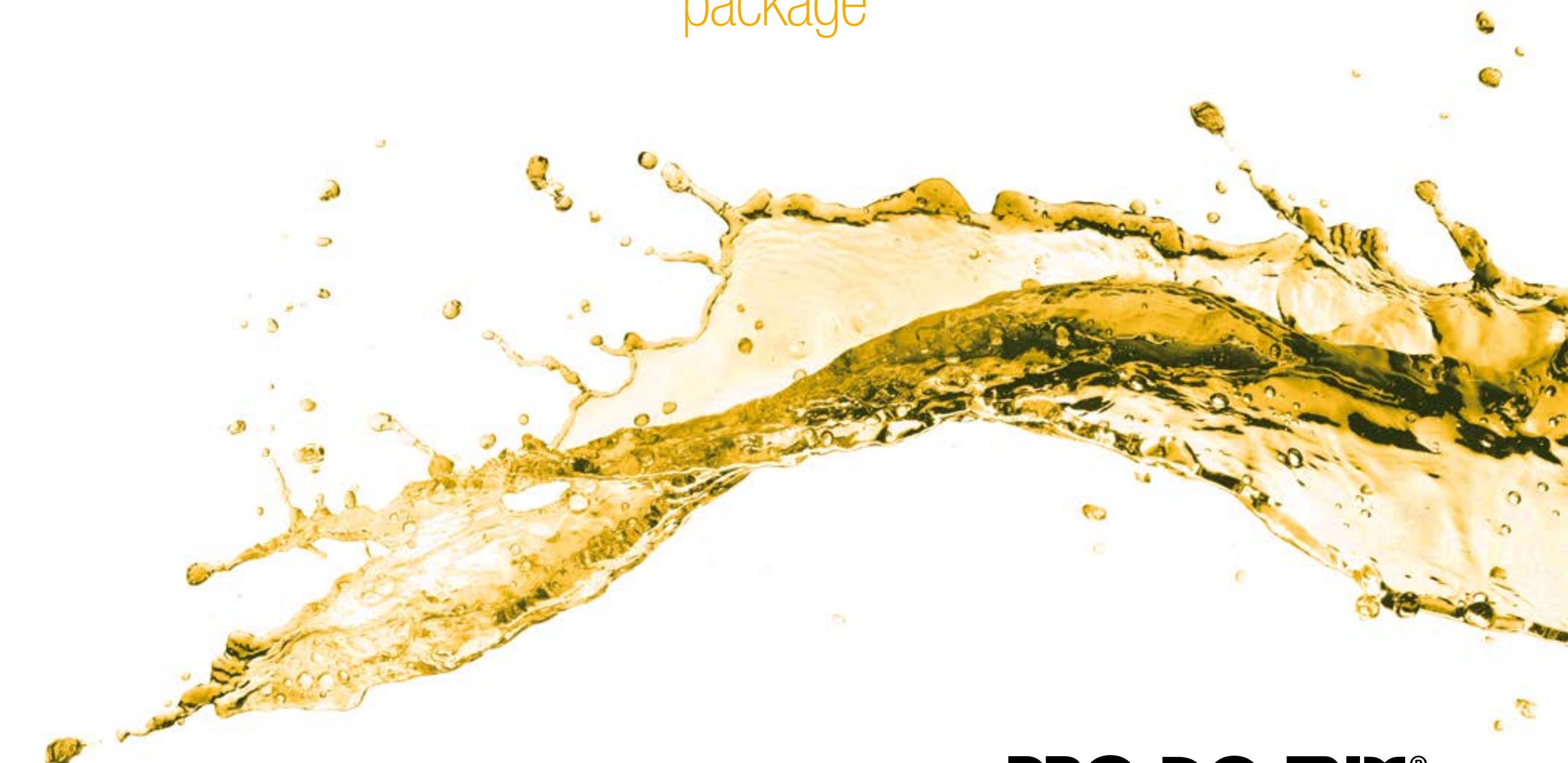
# Mixing Solutions for Chemical Injection Package

PRO-DO-MIX's expertise in engineering and manufacturing vertical agitators for Chemical Preparation and Dosing Skids makes us able to meet the challenges of Chemical Injection within Oil & Gas Industry, providing a broad range of customized mixing solutions.

Our extensive process experience as well as multiple references worldwide make PRO-DO-MIX's agitators perfect for heavy duty chemical solution injection, preparation and storage within the Petrochemical Industry.



oil & gas  
chemical injection  
package

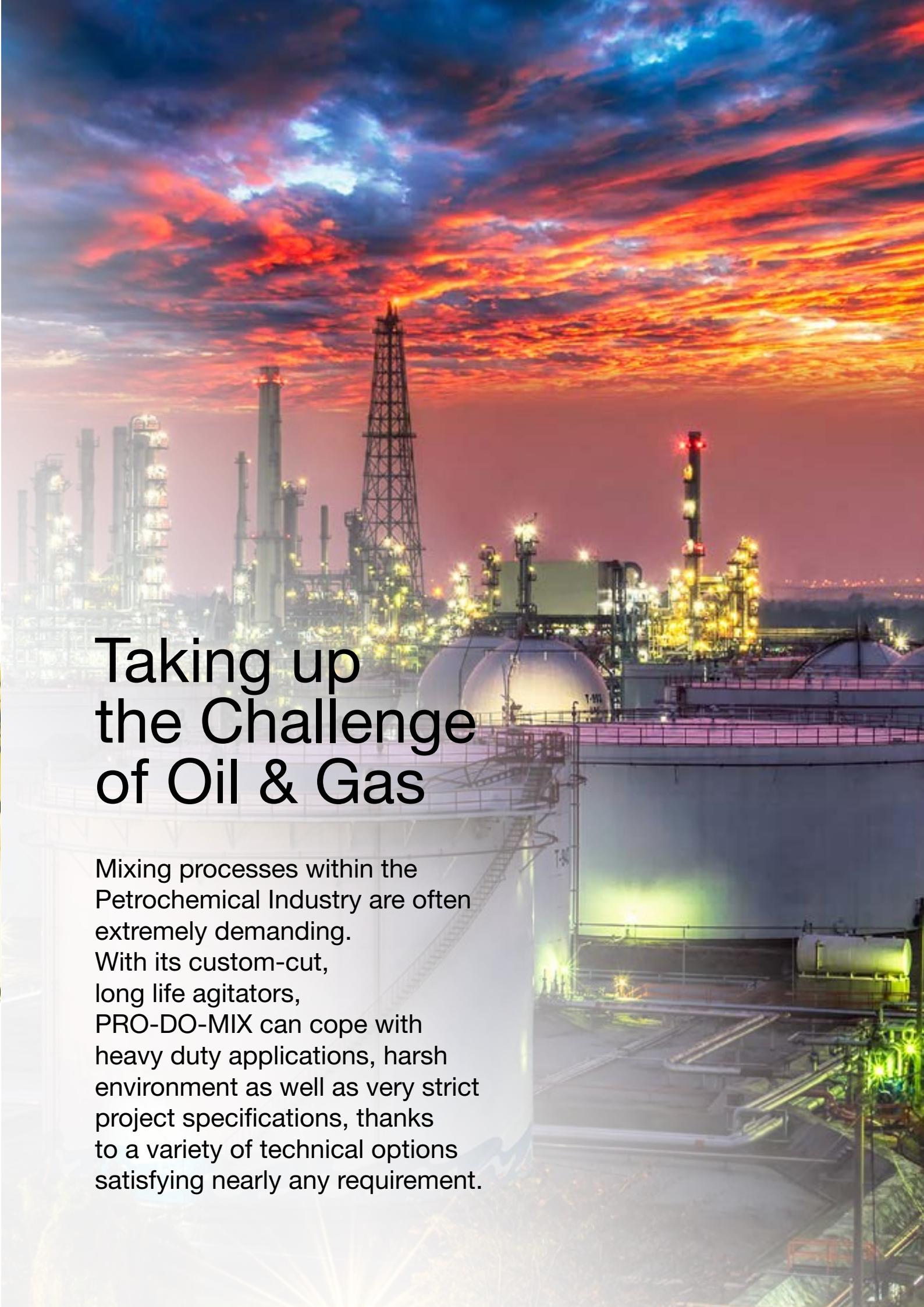


Stampato su carta SFC

PRO-DO-MIX® srl  
Via I strada, 5 - 35026 Conselve (PD) - ITALY  
Tel. +39 049 9501368  
[prodomix.com](http://prodomix.com)



## Taking up the Challenge of Oil & Gas

Mixing processes within the Petrochemical Industry are often extremely demanding. With its custom-cut, long life agitators, PRO-DO-MIX can cope with heavy duty applications, harsh environment as well as very strict project specifications, thanks to a variety of technical options satisfying nearly any requirement.



## mounting flange:

- ASME B16.5 ANSI 150 / ANSI 300 RF / FF
- UNI PN10 / PN16



## wetted parts MOC:

- Stainless Steel SS 316L

- Duplex SS (SAFT™ 2205) / Super Duplex SS (SAFT™ 2507)

- Different linings (Halar® ECTFE, Ebonite rubber, etc.)



# typical applications

- Injection, preparation and storage of chemicals, e.g.:
- additives
  - ammonia
  - antifoam
  - antifouling
  - anti-oxidant
  - biocide
  - calcium hypochlorite
  - demulsifier
  - dimethyl disulfide
  - hydrazine
  - hydrochloric acid
  - lubricity improver
  - neutralizing amine
  - nutrients
  - phosphate
  - oxygen scavenger
  - scale/corrosion inhibitor
  - sodium hydroxide
  - sodium hypochlorite
  - trisodium phosphate



## bearing for shaft support:

- Welded house bearing
- MOC carbon steel painted or SS
- bottom guide bearing to be welded to the tank bottom

## impeller:

- marine propeller
- 4 pitched blade turbine
- high-efficiency profile
- each blade detachable
- multiple impeller levels

## drive unit painting:

- C5-I / C5-M
- according to client's project specifications

## agitator design and technical range

### Operation and compliance:

- direct or geared drive
- different gearbox configurations and speed ratio according to the application



(2014/34/EU-ATEX for installation within hazardous environment (Potentially Explosive Atmosphere))

II 2G IIB T4

II 2D c IIIB T135°C

ambient temp. -20/+40°C



- TR-CU certified with EAC marking for export to Russia (TR CU 010-012, ambient temp. -49/+40°C)

with technical passport

and IOM manual in Russian language)

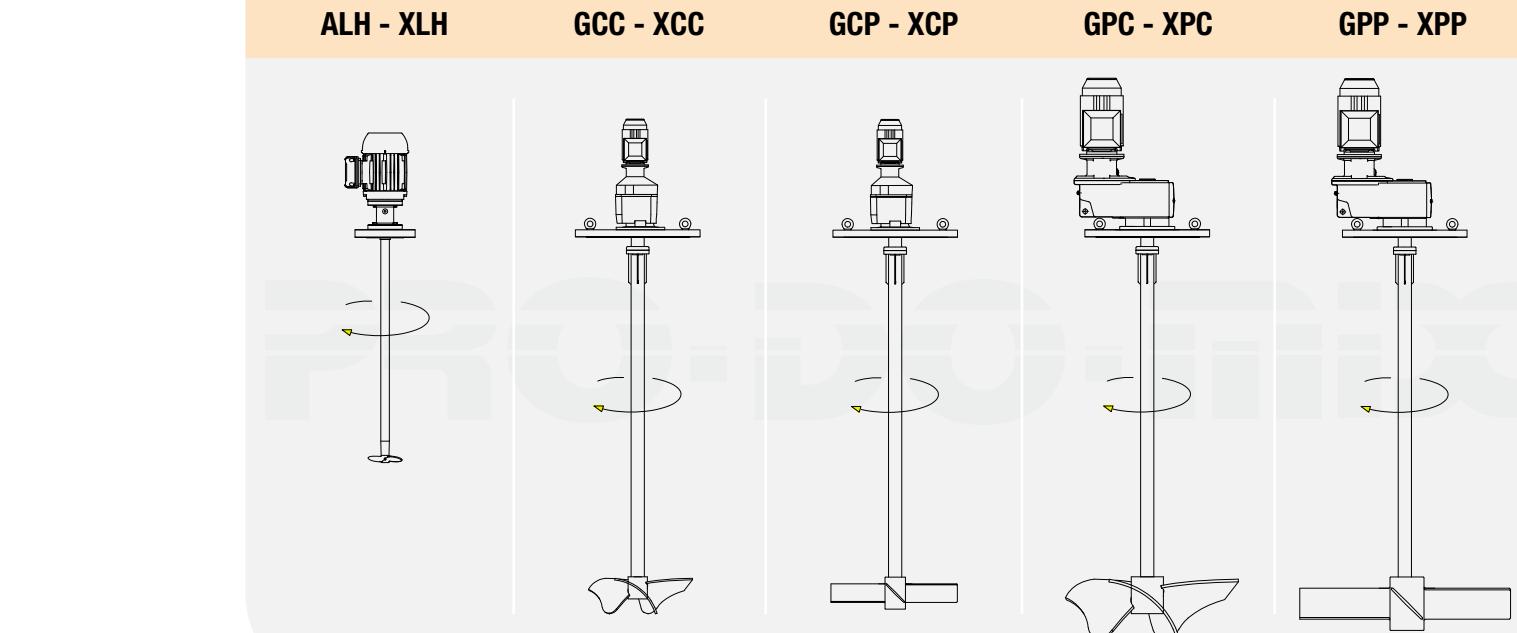


## sealing:

- radial shaft seal
- single or double mechanical seal
- stuffing box

## tank volume range

100 litre up to 30 m³



PRO-DO-MIX®	drive unit					impeller		shaft	
	model	classification	kW	gearbox type	rpm	impeller type	impeller Ø mm	shaft Ø mm	shaft L mm
ALH	safe area	0,37 + 1,5	NA (direct drive with house bearing)	900 + 1700	marine	90 + 160			
GCC	safe area	0,37 + 0,75	coaxial	30 + 200	high-efficiency 3PM-1084	130 + 1500			
GCP	safe area	0,37 + 0,75	coaxial	30 + 200	4PBT45°	130 + 1500			
GPC	safe area	0,75 + 7,5	parallel axis	30 + 200	high-efficiency 3PM-1084	130 + 1500			
GPP	safe area	0,75 + 7,5	parallel axis	30 + 200	4PBT45°	130 + 1500			
XLH	ATEX	0,37 + 1,5	NA (direct drive with house bearing)	900 + 1700	marine	90 + 160			
XCC	ATEX	0,37 + 0,75	coaxial	30 + 200	high-efficiency 3PM-1084	130 + 1500			
XCP	ATEX	0,37 + 0,75	coaxial	30 + 200	4PBT45°	130 + 1500			
XPC	ATEX	0,75 + 7,5	parallel axis	30 + 200	high-efficiency 3PM-1084	130 + 1500			
XPP	ATEX	0,75 + 7,5	parallel axis	30 + 200	4PBT45°	130 + 1500			