

The FAS NZ series centrifugal pumps are designed to optimise performance while significantly reducing energy consumption. The compact construction, the optimisation of the hydraulic components, and the reduction of noise level and vibrations are further advantages.

These pumps are specifically suitable for the use in innovative and highly complex large-scale projects such as LPG terminals, tank farms, district heating power stations, refineries etc. The pumps may also be supplied with adapters for exchange of other pump models.



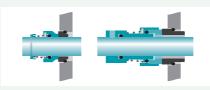
			-	
Overview FAS NZ Pump Models				
Model	Capacity m³/hr	Differential pressure bar	Motor capacity kW	Flange connection Inlet/Outlet, DN
NZ 18-8-10	18	8	10.0	65/40
NZ 25-13-15	25	13	15.0	0
NZ 30-9-15	30	9	15.0	
NZ 30-14-24	30	14	24.0	80/65
NZ 40-6-12,5	40	6	12.5	125/100
NZ 40-8-15		8	15.0	
NZ 40-10-20		10	20.0	
NZ 60-5-15	60	5	15.0	
NZ 60-7-20		7	20.0	
NZ 60-10-28		10	28.0	
NZ 80-6-24	80	6	24.0	
NZ 80-7-28		7		
NZ 80-11-47		11	47.0	
NZ 100-5-24	100	5	24.0	
NZ 100-7-28		7	28.0	
NZ 100-10-47		10	47.0	
NZ 150-5-36	150	5	36.0	
NZ 150-7-47		7	47.0	
NZ 150-10-58		10	58.0	
NZ 170-5-47	170	5	47	
NZ 170-8-75	170	9	75	
	Other pum	pp models and executions a	available on request.	

### **Technical features:**

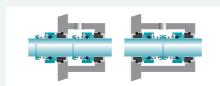
- Capacities up to 170 m<sup>3</sup>/h
- Max. differential pressure 14 bar

#### Options:

• Single-acting mechanical seal (standard)



• Double-acting mechanical seal



Magnetic coupling



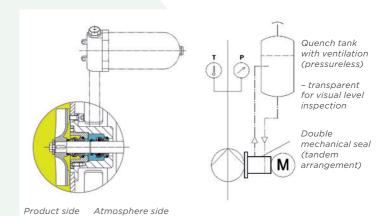
## **Kev benefits:**

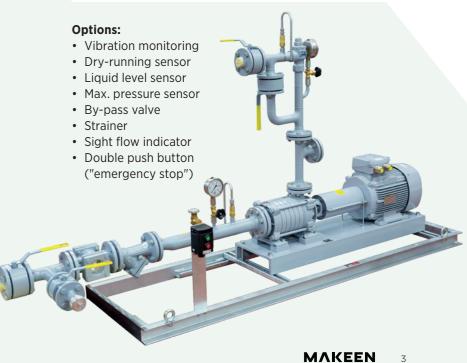
- Prevention of leakages
- Monitoring of leakage rate
- Cooling and lubrication
- Dry-running protection
- Stabilisation of lubrication film e.g. in vacuum operation
- · Hermetic sealing for media reacting in an undesired way or crystallising when in contact with oxygen
- Prevention of icing
- Reduction of operating costs

# Use of double mechanical seals in Tandem Arrangement

Unlike single mechanical seals, the double mechanical seals prevent the medium from escaping into the atmosphere, even if the first seal fails, for a limited period of time. The tandem arrangement is a combination of two single mechanical seals arranged in a series. For double mechanical seals in tandem arrangement, a supply system is needed for the flushing liquid or quench medium.

The option with a magnetic coupling is the safest solution for a highly reliable and leak-free operation. The magnetic couplings are long lasting as per design with the lowest maintenance costs.







#### Flüssiggas-Anlagen GmbH

Peiner Straße 217 38229 Salzgitter Germany Tel +49 5341 8697-0 Fax +49 5341 8697-11

info@fas.de www.fas.de www.fas-engineering.de

## **MAKEEN Energy**

Alsvej 21 8940 Randers SV Denmark Tel +45 8740 3000

info@makeenenergy.com www.makeenenergy.com www.makeengasequipment.com

Follow us on:

in f o

# MAKEEN Gas Equipment

offers a wide range of highquality gas equipment and components along with expert guidance from the beginning to the end of your project. In that way, our one-stop shop philosophy – and many warehouses around the world – provides you with much more than just a product.

MAKEEN Energy is a global, market-leading corporation that delivers equipment, solutions and services to the energy industry. We employ approx. 4,000 people across 6 continents and operate in over 140 countries. With our global reach, local presence and decades of experience, we can deliver responsible solutions that make a difference to people and planet.

### **Worldwide MAKEEN Gas Equipment contacts**

Country	Tel		
Denmark	+45 8644 8734		
Germany	+49 5341 8697-0		
Belgium	+32 1024 2000		
Portugal	+351 220 938 677		
UK	+44 (0) 1792 224000		
USA	+1 800 821 1829		
Brazil	+55 11 2446 4644		
Bangladesh	+880 1313 444 833		
India	+91 40 3502 3270		
Indonesia	+62 21 5312 2308		
Malaysia	+60 3 6274 8801		
Saudi Arabia	+966 569 787 053		

Check

makeengasequipment.com/locations for more details on your local MAKEEN Gas Equipment contact

