# Skarpenord<sup>\*</sup>

A part of Scana

### Hand pumps

## for emergency operation

#### **PORTABLE HAND PUMP**

- Connection to Solenoid Valve Cabinet or to emergency blocks mounted on actuator or on deck
- Mounted on frame for easy transport and operation
- 2 x 3 m flexible hoses with quick couplings
- 2 x Manometers for pressure indication
- 3 litre oil reservoir
- Up to 250 bar pressure
- Dry weight 13 kg



#### STATIONARY HAND PUMP

- To be mounted directly on the actuator, on bulkhead or in watertight box on deck
- Control valve for direction control
- 2 x Isolation valves
- 2 x Manometers for pressure indication
- 1 litre oil reservoir
- Dry weight 8,5 kg



#### HAND PUMP CENTRAL

- To be mounted on bulkhead or in watertight box on deck
- Controls up to 6 actuators from one hand pump central
- Control valve for direction control and up to 6 pairs of isolation valves
- 2 x Manometers for pressure indication
- 1 litre oil reservoir
- Dry weight 35 kg (for 6 actuators)



<sup>\*</sup> The hand pump will be painted according to NORSOK when used for Offshore