



DELLNER HYDRATECH

High End Hydraulics Since 1975



Piston Accumulators

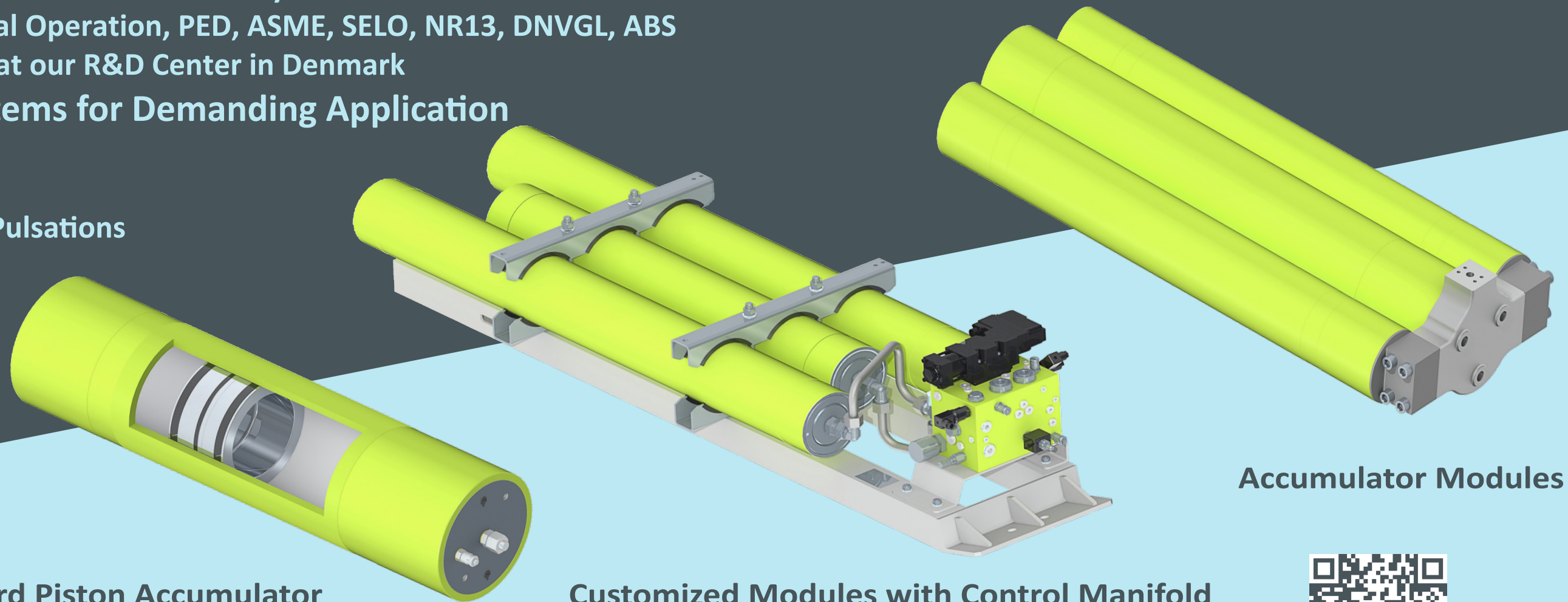
Standard and Customized Designs

- Piston Sizes from $\varnothing 80\text{mm}$ to $\varnothing 660\text{mm}$
- Volumes from 2 Liters to 1.800 Liters
- Working Pressure 350bar (higher on request)
- Working Temperatures -30° to $+80^{\circ}\text{C}$ (standstill down to -40°C)
- Design and build for more than 1million Cycles
- Certification for Global Operation, PED, ASME, SELO, NR13, DNVGL, ABS
- Designed and Tested at our R&D Center in Denmark

Used in Hydraulic Systems for Demanding Application

- Energy Storage
- Emergency Back Up
- Dampening of Pump Pulsations
- Flow Stabilizing
- Shock Absorbing

*WE HAVE SUPPLIED MORE THAN 200.000
PISTON ACCUMULATORS FOR OPERATION
IN MULTIPLE APPLICATIONS AROUND THE
GLOBE FROM OUR PRODUCTION SITES IN
CZECH REPUBLIC, INDIA & CHINA*



Standard Piston Accumulator

Customized Modules with Control Manifold

Accumulator Modules



Piston Accumulator size range

Piston Size (mm)	Tube OD (mm)	Design Pressure (Bar)	Size Range (Liters) N ₂	Liters/100mm stroke (Liters/100mm)	"0" Length (mm)	Standard Sizes (Liters) N ₂					
ø50	ø60	350	0.15 -> 1	0.2	90	0.15	0.5	1.0			
ø80	ø95	350	0.8 -> 6	0.5	147	0.8	2	4			
(ø100)	ø120	350	2 -> 10	0.79							
ø140	ø160	350	4 -> 50	1.54	192	4	6	12	15	25	30
ø150	ø170	350	6 -> 60	1.77	210	10	15	20	30	40	50
(ø180)	ø220	350	8 -> 100	2.54							
ø200	ø230	350	10 -> 130	3.14	253	25	35	70	85		
ø240	ø273	315	20 -> 250	4.52	320	50	110				

Piston Size (mm)	Max Flow (Liters/min)
ø50	60
ø80	150
(ø100)	230
ø140	460
ø150	530
(ø180)	750
ø200	940
ø240	1350

