

# Contents

- Introduction..... 3**
- Industry-Leading Experience and Capabilities..... 4**
- Certifications for Global Requirements..... 6**
- Selecting and Applying Accumulators ..... 8**
  - Design Features and Construction ..... 9
  - Operation..... 10
  - Accumulator Selection ..... 11
  - Gas Bottle Installations..... 14
  - Large/Multiple Accumulators..... 15
  - Precharging ..... 16
  - Failure Prevention..... 19
- Solutions for Oil & Gas and Power Generation ..... 20**
- Solutions for Mobile Applications..... 22**
- Parker (inPHorm™) Software ..... 24**
- Piston Accumulators..... 25**
  - Series 2000 & 3000 ..... 29
  - ACP Piston Accumulators..... 37
  - Series 4000 & 5000 ..... 43
- Bladder Accumulators ..... 51**
  - Bottom Repairable..... 54
  - Top Repairable..... 55
  - High-flow ..... 56
  - Transfer Barrier ..... 57
  - Gas Bottles..... 58
- Diaphragm Accumulators..... 65**
- Inline Pulse-Tone™ Hydraulic Shock Suppressors ..... 71**
  - 3000 PSI ..... 75
  - 5000 PSI ..... 77
- Large Gas Bottles..... 81**
- SBA Accumulator Safety Blocks..... 85**
- Accumulator Accessories..... 97**
- KleenVent KV Series Hydraulic Reservoir Isolators ..... 109**
- SurgeKushons ..... 113**
- Maintenance Instructions ..... 121**
  - Piston Accumulators ..... 121
  - Bladder Accumulators ..... 131
  - Diaphragm Accumulators..... 145
  - Pulse-Tone™ Inline Surge Suppressors ..... 149
- Offer of Sale ..... 160**

Piston	2000
	3000
	ACP
	4000
Bladder	5000
Diaphragm	
Inline Pulse-Tone™	
Gas Bottles	
SBA Safety Blocks	
Accessories	
Kleen Vent	
SurgeKushons	
Sizing	
Maint.	