

# ISO 16330:2003-05 (E)

## Reciprocating positive displacement pumps and pump units — Technical requirements

---

### Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	3
4 Information and requirements to be confirmed, agreed and documented	4
5 Fitness for purpose	4
6 Pump design	5
7 Ancillary equipment	8
8 Noise	11
9 Installation and maintenance	11
10 Materials, welding and repairs	11
11 Surface protection	13
12 Nameplates and marking	13
13 Preparation for shipment	13
Annex A	
(informative) Data sheet	14
Annex B	
(normative) Optional requirements and items to be agreed	18
Annex C	
(informative) Operating margins between NPIPA and NPIPR	19
Annex D	
(informative) Recommended maximum permissible residual pressure pulsations	21