



## **“Naked” Pumps**

***Our patented solution for demanding pharmaceutical applications***

### **High tech ceramics**

- Pharmedox®
- Pharmedirc®
- FDA compliant
- No coating/No contamination

### **Fast assembly**

- No lubrication required
- Xchange®
- GMP oriented
- CIP/SIP designs

### **Low maintenance cost**

- No leakage
- No seizing
- No wear

### **Hardness higher than coated stainless steel pumps**

- No release of particulates
- High precision over time
- Typical life – 5 to 10 years



### **Exclusive design**

- One material only in contact with the product
- Cylinder and connections in one solid piece of ceramic
- Compact, solid and shock proof design
- Fully compatible with existing machines

### **Outstanding performance**

- Suitable for metal sensitive products
- Improved cleanability
- Ideal for SIP

