

Walter Ghioldi – 20147 Milano phone +39 393 9924134 <u>info@ghioldirappresentanze.it</u> www.ghioldirappresentanze.it





ANDRITZ high-wear resistant pumps

For mining and minerals applications





ANDRITZ high-wear resistant pumps For mining and minerals applications



The facts:

- Flow rates up to 6,000 m³/h
- Heads up to 160 m
- Casing pressure up to 40 bar
- Temperatures up to 200 °C
- Consistencies up to 6%
- Efficiencies of over 90%

Chemical composition XCr23	
C [%]	1.8-3.6
Si [%]	1
Mn [%]	0.5-1.5
P [%]	0.08
S [%]	0.08
Cr [%]	23-28
Mo [%]	3
Ni [%]	2
Cu [%]	1.2

High wear resistance

All high wear pumps are specially designed to handle abrasive media. They also have a large cross-section to handle solids-containing media.

They belong to the ACP pump series and are thus highly efficient to allow for energy savings. The modular design greatly reduces the number of spare parts to be kept on stock which further helps to save costs.

All wear components have been designed and optimized using CFD (computational fluid dynamics). They have been tried and tested at our own pump test facilities in Austria.

Material design

Advanced material and wear-resistant white cast-iron casting technology guarantee high hardness (about 600 HB) of all wear parts (impeller and front liners).

Specially developed annealing treatments ensure an effective combination of high hardness and suitable ductility. Thus the material is able to cope with difficult conditions e.g. stones and abrasive minerals.





All data, information, statements, photographs and graphic illustrations made in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2013. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria HPU.mining_acp.02.eng.02.13