

**PRECIOUS METAL &
METAL PROCESSES**
from galvanizing to
pickling plant to surface
finishing.

REFERENCE
LIST



METAL & PRECIOUS METAL PROCESSES

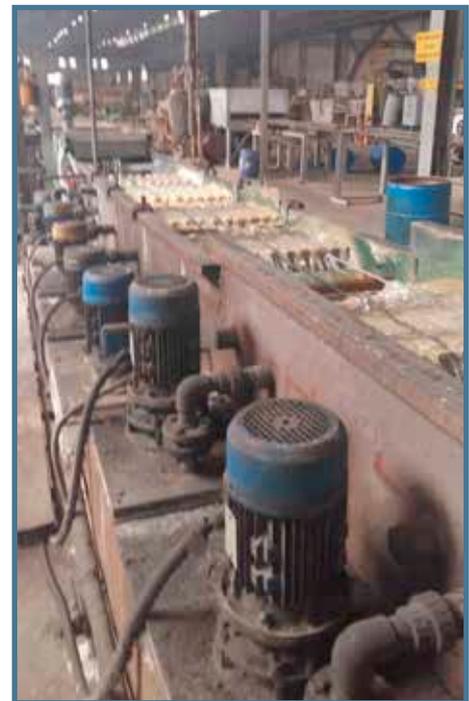
Customer	Scrubber process via APPLICAZIONI TECNICHE S.R.L. (Italy)
Pump operation	<p>PRIMA TMP (04.04) PP+g x1 for water mixed with sodium hydroxide used in scrubber after galvanisation.</p> <p>KGK (C65/120) PP+g x3 EQUIPRO KME (20.25) PP+g x1 for water mixed with sodium hydroxide traces at 30°C for conveying cleaning solution to scrubber to clean toxic agents before released in the atmosphere.</p>



Customer	YKK MEDITERRANEO - Zipper Production Plant (Italy)
Pump operation	ROUTE TMR (10.15) PP+g x for galvanization process in a zipper production plant to transfer strong acids such as sulfuric acid.

Customer	STEEL COLOR S.P.A. (Italy)
Pump operation	KGK (C25/100) PVDF+c x1 for chromic acid 30% p.s. 1,4 kg/dm ³ (8m ³ /h - 10m) at 70°C for special finishing on metals.

Customer	I.F.P. SPA (Italy)
Pump operation	<p>ROUTE ZMR (16.15) PP+g x4 ZMR (10.15) PP+g x10 ZMR (16.20) PP+g x7 ROUTE TMR (10.10) PP+g x1 TMR (10.15) PP+g x1 for pickling bath to pump concentrated hydrochloric acid.</p> <p>KGK (A50/120) PP+g x1 KGK (C25/120) PP+v x1 KM (32/125) PP+g x1 for a second pickling bath, at the beginning of the line to pump concentrated hydrochloric acid which turns into water solution with traces of chlorhydric acid at the end of the line.</p>



Customer	UNOAERRE (Italy)
Pump operation	<p>ROUTE ZMR (20.15) PVDF+c x2 ROUTE ZMR (06.10) PVDF+c x1 for surface finishing operation (metal finishing with gold / silver coat)</p> <p>ASTRA DDA 200 (ora ASTRA-evo DDE 160) PVDF+c x1 for transferring aqua regia</p> <p>RHINO TMA (10.14) PP+g x1 for unloading waste acids from tank</p>



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Customer	MARCEGAGLIA CARBON STEEL INDUSTRY (Italy)
Pump operation	<p>FRONTIERA ZMF (25/125) PVDF+c x11 for hydrochloric acid 16% p.s. 1,1 kg/dm³ (80m³/h - 20m) at 75°C on the pickling line.</p> <p>SATURNevo ZMS (3x2x10) V1G x4 for water mixed with acids during fume scrubber phase to remove toxic agents before releasing in the atmosphere.</p> <p>ROUTE ZMR (16.20) PVDF+c x10 for hydrochloric acid 16% p.s. 1,1 kg/dm³ (6m³/h - 24,4m) at 75°C to be dragged on the picking lines.</p> <p>ROUTE ZMR (20.36) PP+g x3 for hydrochloric acid 16% p.s. 1,1 kg/dm³ (6m³/h - 24,4m) at 75°C to be dragged on the picking lines.</p> <p>KGK (C32/120) PP+g x10 for transferring hydrochloric acid at 75°C on the carbon steel picking lines.</p> <p>KGK (A 50/120) PP+g x2 for transferring water with hydrochloric acid at 75°C on the carbon steel pickling lines.</p>

Customer	Steel Wire Pickling Plant via SG PLASTICS (South Africa)
Pump operation	<p>EQUIPRO HME (20.25) PP+g x16 for transferring strong acids (hydrochloric acid and sulfuric acid) and dragging the electrolyte solution from storage tank to the pickling line to clean wires.</p>



Customer	Precious Metal Refining Systems via BALESTRI IMPIANTI (Italy)
Pump operation	EQUIPRO KME (20.25) for cleaning solution with acids (aqua regia) for the cleaning of precious metals such as gold or silver.



Customer	GIMECO IMPIANTI S.R.L. (Italy)
Pump operation	ASTRA DDA (50-50) (now ASTRAevo DDE 60) PP+g DDA (100-100) (now DDE 100) PP+g DDA 125-250 (now DDE 400) PP+g for distribution and stockage of water mixed with hydrochlorite acid, acid concentrated with zinc, ferrous chlorine.

Argal keeps its reference lists updated to give always more examples and add photos of its pumps installed.

For questions or more information, please contact us.

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