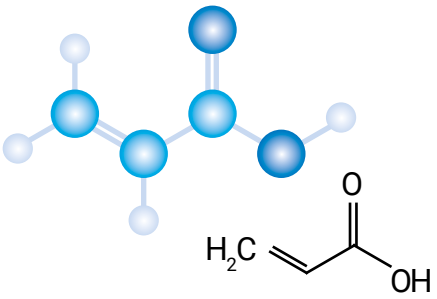
MAXINOL® POLYMERS

FOR INDUSTRIAL & PROCESS WATER TREATMENT

AQUAPHARM®

MAXINOL® POLYMERS
FOR INDUSTRIAL & PROCESS WATER TREATMENT

Aquapharm is an independent, family owned business manufacturing high performance polymers, phosphonates, biocides, & biodegradable chelants. For the industrial water sector, Aquapharm products are used worldwide by water treatment service companies in many applications, including heavy industrial and commercial cooling systems, industrial & institutional cleaning, and process industrial applications such as the pulp & paper industries.



We continually invest into state-of-the-art research & development facilities, and our people. Our ongoing technology programs focus on identifying the most cost-effective solutions for industrial & process water needs. Evolving from our competence with polymerising maleic & acrylic monomers is our core, high performance Maxinol® polymer offering to industrial water industries, which are the building blocks for your industrial & process water treatment formulations.

MAXINOL® PRODUCT RANGE

PM200

Polymaleic Acid

FEATURES/BENEFITS:

- **improved polymerisation efficiency delivers a new high purity maleic homopolymer**
- all-organic formulations are robust & resilient eliminating stability & quality problems
- **efficiently stabilises recirculating cooling water at high cycles of concentration, offering both carbonate & sulfate deposit control**
- minimises fresh water make-up, chemical treatment & blowdown costs
- **effective over a wide range of water chemistry, providing greater flexibility & protection during system upsets**
- reduction/elimination of maintenance costs & production losses

PM210

Maleic Terpolymer

FEATURES/BENEFITS:

- **zinc is both stabilised and retains corrosion inhibition potential at alkaline pH**
- enables use of effective, low level zinc programs
- **stabilises phosphonate corrosion inhibitor calcium salt whilst maintaining excellent calcium carbonate inhibition & general dispersancy properties**
- enables outstanding corrosion, scale & general fouling control from all-organic programs
- **enhances the performance of calcium phosphate control agents in traditional & alkaline phosphate programs**
- stabilisation of both calcium phosphate and calcium carbonate possible at higher pH & alkalinity

M4300

Sulfonated Acrylate Copolymer

FEATURES/BENEFITS:

- **effective calcium phosphate inhibitor, maintaining soluble phosphate concentrations**
- will stabilise high phosphate & extended/low phosphate corrosion inhibitor programs delivering effective corrosion inhibition across a wide applicational window
- **stabilises calcium phosphonates & zinc**
- extends the performance of all-organic and zinc based corrosion & scale inhibitor programs
- **disperses iron, clay & zinc deposits**
- maintains heat transfer efficiency by keeping surfaces free from corrosion debris & amorphous deposits

M5100

Acrylate Homopolymer

FEATURES/BENEFITS:

- **effective control of calcium carbonate & calcium sulfate**
- general purpose dispersant for low scaling severity system waters

M5400

Proprietary, partially non-ionic Terpolymer

FEATURES/BENEFITS:

- **delivers both silica inhibition and dispersion of inorganic deposits**
- extends use of process waters which are high in silica content

M5160

Phosphino Polycarboxylate

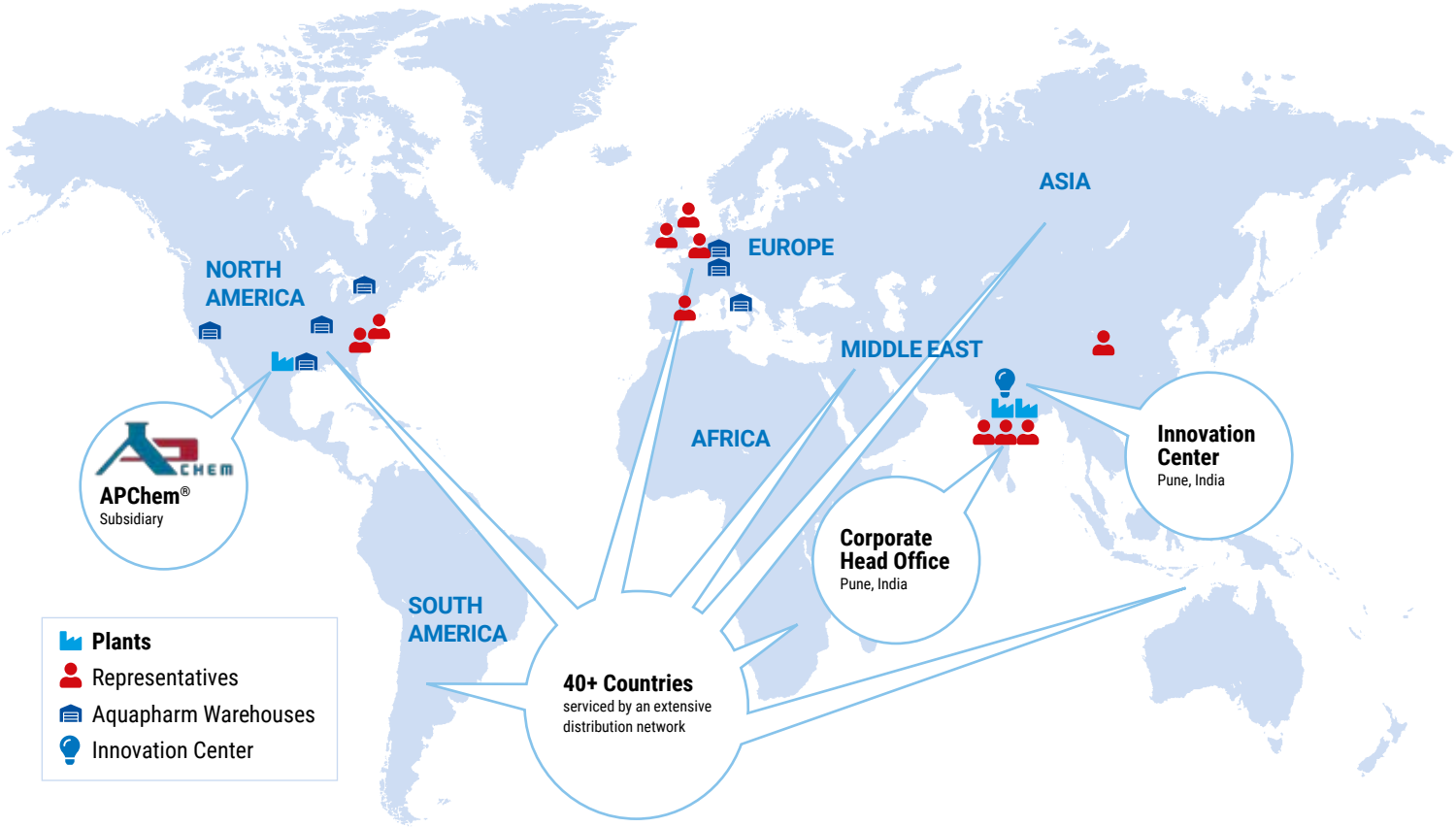
FEATURES/BENEFITS:

- **superior boiler water sludge dispersant, outperforming polyacrylates, polymethacrylates & sulfonated polymers**
- dispersed sludge is readily removed in boiler water blowdown
- **superior hydrolytic & thermal stability compared to other polymers**
- maintains deposit dissolution & dispersancy properties in both low & high pressure boilers
- **phosphino functionality stabilises & prevents loss of Ca, Mg & Fe ions**
- maintains iron in non-settling form reducing deposition potential

SUPPLY CHAIN

Aquapharm exports an extensive product range globally, supported by agents and distributors in all regions.



GLOBAL PRESENCE

- 250+ employees including sales teams in Europe and USA
- 40+ countries serviced by an extensive distribution network
- 9 warehouses in India, Europe, USA and Canada
- 2 manufacturing locations in India in close proximity to leading Indian ports
- 1 manufacturing plant in the USA
- 1 Innovation Center in India
- 1 subsidiary, APChem® in the USA

INNOVATION CENTRE

In line with our commitment to create best in class products, Aquapharm's new Innovation Centre opened in 2017. This centre will boost R&D efforts in the areas of chelating agents, dispersing agents and oilfield chemicals. Our state-of-the-art 'zero discharge' facility is strategically located in Pune, India.

The Aquapharm Innovation Centre has several laboratories fitted with the latest equipment and accessories, essential for research in organic synthesis, polymer synthesis and analytical support.

Technical support & application experts are available to address all technical queries regarding products and their application.

MANUFACTURING

Aquapharm has two state-of-the-art manufacturing units located in Maharashtra, India. These plants are versatile and produce a broad range of products including phosphonates, polymers, biocides and biodegradable chelating agents.

Our Manufacturing facilities are certified by ISO 9001: 2015, ISO 14001:2015 and ISO 18001:2007.

AQUAPHARM

Aquapharm Chemicals Pvt. Ltd
9th & 10th Floor, Amar Synergy,
12-B, Sadhu Vaswani Road,
Pune 411001, Maharashtra,
India

Telephone: 020 6609 0000

International Sales
Email: intlsales@aquapharm.net

India Sales
Email: sales@aquapharm.net

Customer Services
Email: info@aquapharm.net

Vendor Contact
Email: purchase@aquapharm.net

aquapharm-india.com