

# AHD & AHS Series at a Glance

## Features & Benefits

- Air-operated double-diaphragm pumps designed for a discharge pressure up to 15 bar (218 psig)
- AHD Series ("D" stands for Duplex) with internal pressure booster
- AHS Series ("S" stands for Simplex) without internal pressure booster, for using with an external booster
- Corrosion-proof and wear-resistant housing in solid design made of polyethylene for heavy-duty applications
- Double-acting principle of operation
- Maximum capacities of 4, 10 and 20 m<sup>3</sup>/h (17, 44 and 87 gpm) for AHD pumps resp. 4 and 8 m<sup>3</sup>/h (17 and 35 gpm) for AHS pumps
- High pump safety due to innovative ring-tightening structure
- Automatic pressure/volume adjustment for filterpress feeding
- No control or safety elements required for
  - Dry running
  - Over pressure
  - Speed control
- Safe operation over the entire range of capacity without over pressure risk
- No drives, no rotating parts, no shaft seals
- Running dry capability
- Self-priming
- Easy start-up
- Gentle displacement by compressible drive medium
- Compact dimensions
- Specially developed heavy-duty diaphragms for long service life
- Integrated muffler
- Shock absorbers with female thread on the underside for simple direct installation
- Horizontal or vertical position for suction and discharge ports
- Ball valves with insensitivity to solids
- Replaceable ball valves and ball retainers
- Maintenance-free PERSWING P<sup>®</sup> air control system without dead center
- Special equipment meeting requirements (pressure booster for AHS, diaphragm monitoring, stroke counting, ANSI flange connections)



## Certifications

Almatec is certified according to ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007. The requirements of the ISO 9001 are fixed as minimum standard, with the endeavour to obtain a maximum of internal/external customer and supplier satisfaction by constant improvement, advancement and fault prevention in all phases of the value-added chain. In order to underline the relevance of the environmental policy the certification to ISO 14001:2004 took place in the year 2006. Each enterprise in business world has a special responsibility to preserve the natural bases of life. Conscious usage and consumption of any resources, energy, raw as well as auxiliary and operational materials is a substantial component of our corporate culture.