

# Valves for your Application

Industrial valves assume key functions in plants and pipelines thereby having an essential effect with regards to

Precision | Reliability | Safety



# Overview

- » Environment, Water Treatment
- » Engines, Machines, Systems
- » Pharmaceutical, Chemical, Food, Biotech
- » Power & Energy
- » Pipeline Construction



# Water Treatment and Filter Systems



## Plant/ Process:

Filter vessel control by bleed and vent valves

## Requirements:

Filling and draining without manual on/off valves

Corrosion resistance, Food standards

Compact and light-weight design

## References:

Air Liquide, Wedeco, Chriwa, Enviro Chemie, Prominent, Christ Pharma & Life Science

## Used Products:

EB 1.12, EB 3.50, EB 1.74, DM502, DM462



# Desalting Plant

## Plant/ Process:

Pressure Regulation in Ultrafiltration Plant

## Requirements:

Erosion and corrosion resistant design

Compact and light-weight design

## References:

Enercon, Babcock Borsig, Esau & Hueber,

BWT Wassertechnik, Cuss Chriwa

Umweltsystemtechnik

Proaqua, Christ Watertechnologies, Hager + Elsaesser

## Used Products:

EB 1.12, DM 505, UV 3.5, DM 652, DM664



# Biogas Systems

## Plant/ Process:

Biogas Power Stations, Exhaust Gas Cleaning

## Requirements:

Low pressure burner control

Large flow capacity

Corrosion resistant materials

## References:

Osmo Anlagenbau, Noell-KRC, Sihi Anlagentechnik,  
Hese Biogas, Haase Energietechnik, VerBIO AG

## Used Products:

KA 2K, DM 652, UV 5.1, DM 505, DM 762, UV 1.8



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# Large Diesel Engines

## Plant/ Process:

Pneumatic Starting System, Fuel Control System  
Lubrication of Turbine Bearings and Turbo Charger

## Requirements:

Fuel and oil resistant materials, High pressure,  
High flow capacities, Long service times  
Accurate pressure control

## References:

MAN B&W Diesel, Caterpillar (MAK), Voith Turbo,  
Mehrer, Gardner Denver Nash

## Used Products:

RP 810, DM 502, DM 662, FI 6.06, UV 4.1, RP825  
KA2 So, EB 3.52



# Fire Fighting Systems

## Plant/ Process:

Pilot Line Control, Emergency systems, Sprinkler systems

## Requirements:

Low pressure, High flow, Low pressure drop

Compact design of stainless steel

Low ambient and operation temperatures

Long service and stand-by times

## References:

Minimax, Tyco, Total Walther, KA München,  
SVT Brandschutz

## Used Products:

RP 825, DM 652, EB 1.12, EB 3.52, RP116





# Printing Machines

## Plant/ Process:

Mixing of Colour Coatings, Flushing systems

## Requirements:

Thinner resistant materials, Abrasive media

Compact and light-weight design

Long service times

## References:

Voith Paper, KBA König & Bauer

Rotan GmbH

## Used Products:

DM 505, DM 506



# Burner Systems

## Plant/ Process:

Gas and Fuel Supply Systems and Vessels

## Requirements:

Low pressure, High flow capacities

CIP design

Stable pressure control

Fuel resistant materials

## References:

Dumag, Saacke, Elco Klöckner

## Used Products:

UV 3.8, DM 152, DM 505, UV 8.2



# Climate Control Systems

## Plant/ Process:

Steam Supply, Pressure Control, Vessel Control

## Requirements:

Low pressure, High flow capacities

High temperature requirements

Steam resistant design

Compact stainless steel design

## References:

M & W Zander, Sartorius, Imtech, Dürr, Hygromatik

## Used Products:

DM 603/604, UV 3.8, VV 34, DM 762, DM 505,

EB 1.32, NV 98, AS 2



# Packing Machines



## Plant/ Process:

Glue and Compound Supply

## Requirements:

Accurate pressure control

Compact and light-weight design

## References:

Alfons Haar, Hauni, Philipp Morris, Robert Bosch,  
Bausch & Stroebel, Optima Pharma

## Used Products:

DM 506 So, UV 5.1, DM 762, DM 765, DM 152,  
DM 462



# Automobile Industry



## Plant/ Process:

Manufacture, Varnishing, Purifying Plants, Test Stands

## Requirements:

Silicone free design, Fuel and oil resistant design

High pressure liquid control

Compact and light-weight design

## References:

Klenck, Thyssen Krupp System Engineering, Stäubli,  
Daimler, Opel, VW, Technogerma Systems

## Used Products:

NV 94, DM 505, DM 506, UV 1.8K, EB 1.12,  
UV 5.1, UV 4.1



# Shipbuilding

## Plant/ Process:

Engine Supply, Bleeding and Venting,  
Water Treatment, Climate Control

## Requirements:

Sea water resistant design and materials  
Fuel and oil resistant  
Compact and light-weight design  
Long service time

## References:

HDW, Lloyds, Sietas, MAN B&W, Meyer-Werft

## Used Products:

UV 1.8K, DM 814, DM 662, EB 1.12, UV 3.8F



# Hydraulic Oil Filtration

## Plant/ Process:

Filter vessel control

## Requirements:

Filling and draining without manual on/off valves

Hydraulic oil resistant design

Low pressure, Low flow capacities

## References:

Karberg & Hennemann, GEA Westfalia Separator

## Used Products:

EB 1.12So, UV 1.8M, DM 652, UV 1.2K



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# Drink Filling Machines



## Plant/ Process:

CO<sub>2</sub>- Mixing, Filling, Sterilisation Systems

## Requirements:

Low pressure, High flow capacities

Food standards, Long service time

Stainless steel design

## References:

Brauereien, Buse Gastec, Esau & Hueber,  
GEA Tuchenhagen, Coca Cola, Kronos

## Used Products:

DM 502, DM 652, DM 505, DM 662, EB 1.12



# Tank Blanketing

## Plant/ Process:

Pressure Control

## Requirements:

Accurate pressure control

Stainless steel design

Pressure repeatability

Low pressure control

## References:

Air Products Polymer Systems, Basell Polyolefine,  
Exxon Mobil, Shell Oil, Jena Pharma

## Used Products:

DM 662, DM 762, DM 765, UV 3.9, RP 840



# Steam Sterilization

## Plant/ Process:

Steam Management Systems

## Requirements:

High temperature requirements

Clean and pure design

CIP and SIP design

Low pressure, high flow capacities

## References:

Spirax Sarco, Flowserve Gestra, Pharmatec,  
GEA Diessel, Standard Kessel, Stephan Machinery

## Used Products:

DM 152, DM 462, DM 505Z, DM 652, KA 3, AS 2



# Extraction Systems

## Plant/ Process:

Food Machine and System Builder

## Requirements:

Accurate pressure control

Compact and light-weight stainless steel design

Food standards

## References:

Krupp Extraktionstechnik, Westfalia Separator,  
E+E Verfahrenstechnik

## Used Products:

UV 3.5, UV 5.1, DM 152, KA2 X, AS 2, DM 462



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# Public Utility

## Plant/ Process:

Water Supply, Long-Distance Heating

## Requirements:

High flow requirements

Highly temperature resistant

## References:

Stadtwerke München, BEWAG AG, RWE Power AG,  
EnBW Kraftwerke, Evonik, Vattenfall Europe, E.ON

## Used Products:

KA 1 (Niagara), DM 603, VV 34, NV 26, RP 115, EB 1.10



# Power Stations

## Plant/ Process:

Steam Management, Soot Blower

## Requirements:

High pressure with high temperature safety,  
Exotic materials, Approvals, Certificates

## References:

Vattenfall, RWE, Lentjes, Clyde Bergmann, AREVA  
Siemens Powergeneration, VW Kraftwerk, Alstom

## Used Products:

DM 603, DM 401, DM 701, DM212 K, UV 1.2K,  
DA 4.10, VV 34 So



# Offshore

## Plant/ Process:

Fire Fighting and Cooling Water Systems

## Requirements:

High pressures, High flow rates

Seawater resistant, Failure safe operation

## References:

Norsk Hydro, Electrocatalytics (Siemens), Shell,  
RWE-DEA, Kracht

## Used Products:

UV 5.1, EB 1.32, VV 34, DV903, RP824





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# Drilling Systems

## Plant/ Process:

Pressure Surge Relief

## Requirements:

High pressures, High flow rates

Failure safe operation

Deep temperature resistant

## References:

Emco Wheaton, Shell, SVT, Indian Oiltanking,  
Rosneft, Transneft

## Used Products:

UV 6.2K , EB 6.54



# Kerosene Pipeline Airport Supply

## Plant/ Process:

Pressure and Quantity Regulation

## Requirements:

High pressures, High flow rates

Remotely adjustable, Fuel resistant

## References:

NWO (Nord West Ölleitung),

FBG (Fernleitung Betriebsgesellschaft)

## Used Products:

DM 814, UV 824, MR 824, UV 6.2K



# Mobile Frontline Airstrips



## Plant/ Process:

Kerosine Supply Pressure and Quantity Regulation

## Requirements:

High flow rates, Short response times  
Mobile, Combined functions

## References:

NAMSA  
NATO Maintenance and Supply Agency

## Used Products:

RP 810So, UV 6.2

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