

METRIC



HABONIM ENGINEERING

Special Solutions



DEDICATED TO INNOVATION

HABONIM ENGINEERING

Introduction

When no commercial product can satisfy your requirements, Habonim steps in to design and manufacture custom valve assemblies for unique one-off applications or whole system solutions.

Precision engineered to exacting tolerances, we create custom valves, manifolds and special solutions, to meet the most stringent demands of high pressure, corrosive, and high temperature applications, within a wide range of sizes, and materials.



Revolutionizing Skid Mounted Valve Systems

Habonim designed the revolutionary Multi-Valve-Ensemble (MVE) as an innovative alternative to large, heavy skid-mounted valve assemblies that take up so much space and are loaded down with complex piping; vulnerable to leakage. The MVE eliminates up to 90% of the piping required on conventional skids, and weighs 30% less.

Solving Sticky Engineering Problems

Working with a leading manufacturer of dispensing machines for advanced formula adhesives, Habonim provided an ingenious solution to re-engineer one of their off-the-shelf units by integrating two valves into one body; eliminating superfluous lengths of piping and fittings.



Two Valves - One Actuator

Habonim created a special design that enables one actuator to operate two 3-way ball valves simultaneously. It saves space, reduces weight and air consumption, in addition to ensuring correct valve positioning and operation in reverse fail-safe mode to avoid contamination or mixing.



Easy Valve Retrofitting

The Semi-Manifold Junction Block was designed for easy installation and retrofitting of valves using a wide variety of end connections and purging.

Special Solutions

ZEPOK Cuts Contamination

Habonim's ZEPOK (Zero-pocket) valves are designed to eliminate bacterial contamination caused by "Dead Leg" or improper circulation in the pipeline. ZEPOK provides a High-Reliability, Fire Safe solution available in a range of sizes using non-welded construction for zero defects, zero dead-leg, full drain-ability, and allows the use of smaller actuators.



Critical High-Cycle Operations

Valve assemblies that help operate Pulsed Columns, a type of liquid-liquid extraction equipment used mainly in mining and mineral processing, face rigorous demands; high-cycle (at a minimum 2 seconds) operation over a wide range of pressures and temperatures, low cost maintenance and no shutdowns for crude cleaning.



Cost-Effective Replacement Solutions

A custom valve used for diverting flow from a single source to multiple lines was designed to replace larger, (expensive to maintain) globe valves for the same application; with no modification to the pipeline required.



Space-Saving / Flexible Design

The small modular Manifold uses an array of multiple valves to enable precision distribution of process fluid or gas to multiple points. This flexible space-saving configuration can either be expanded or reduced to suit changing flow demands.



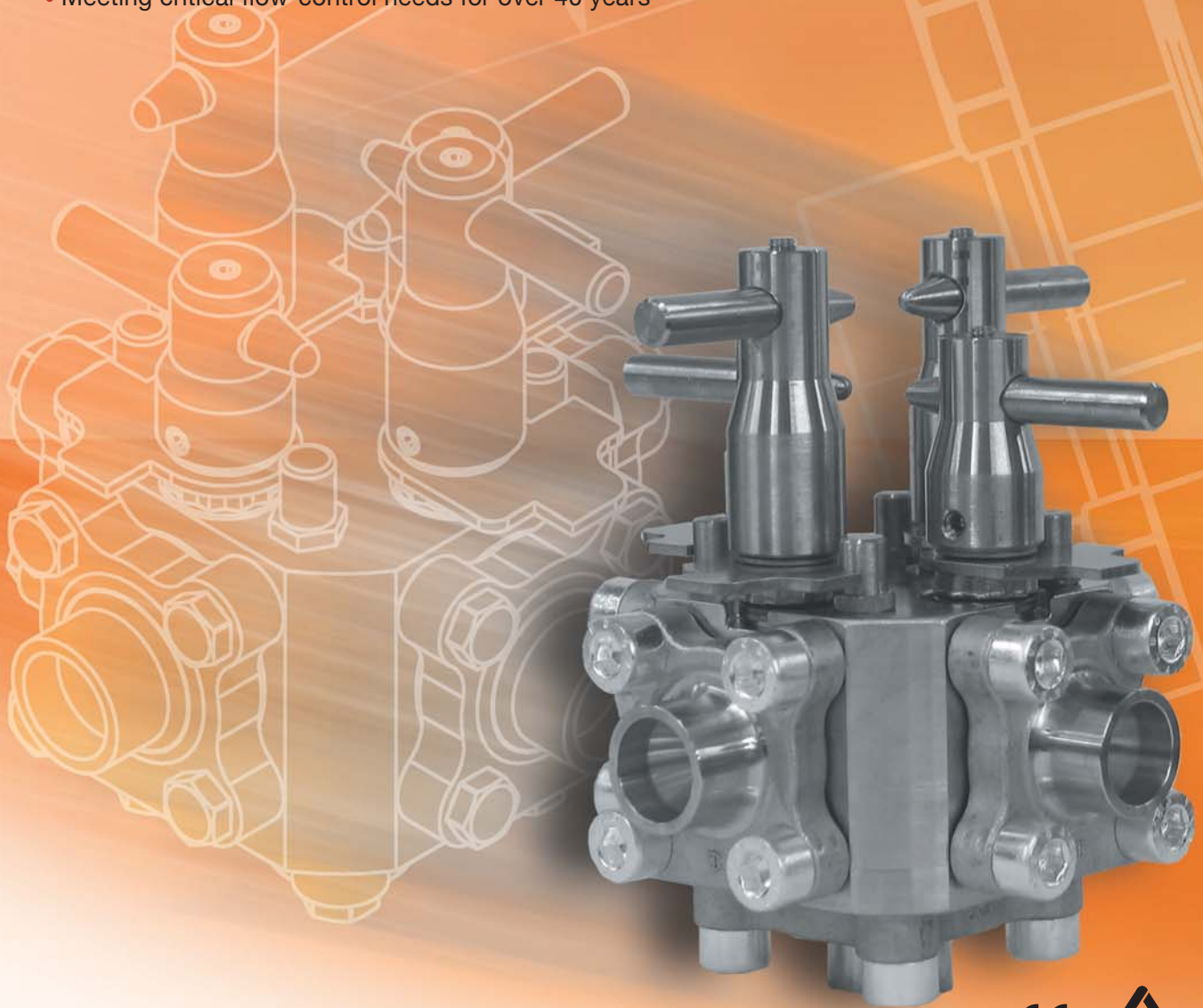
Preventing Backflow/Contamination

The Dual Horizontal Cross valve (DHC), with its unique ball cavity design and close proximity to the main line, minimizes cross-contamination and backflow between substances. It's a highly economical solution that enables easy live-maintenance for the end user.



Your No. 1 Choice for Unique Product Solutions

- Design & engineering to the highest standards
- Using state-of-the-art equipment
- Prototypes for approval within days
- Cooperative partnering every step of the way
- Meeting critical flow-control needs for over 40 years



In accordance with our policy to strive for continuous improvement of the product, we reserve the right to alter the dimensions, technical data and information included in this catalogue when required.

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