

PISTON BALANCED

THROTTLING MECHANICAL VALVE



KIMRAY
INC.®

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INTRODUCTION

Kimray has designed a mechanical valve specifically for erosive service. The Piston Balanced Throttling Mechanical Valve (PBTM) stands up to the demands of high pressure drops in erosive service. This customer driven valve has been tested in the field and is proven to last four times longer.

THE CHALLENGE

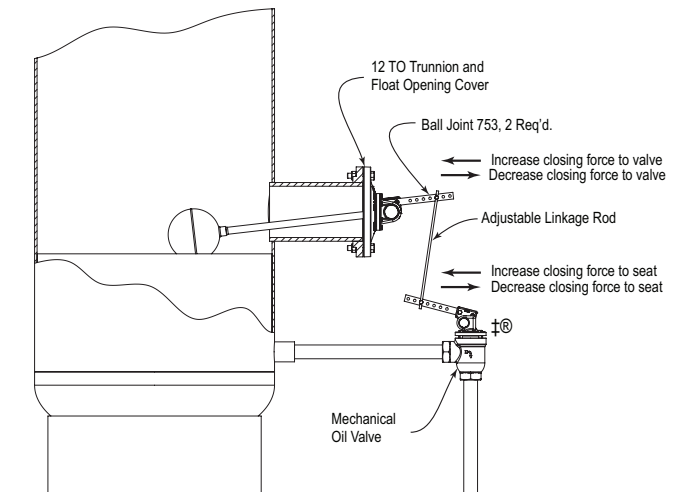
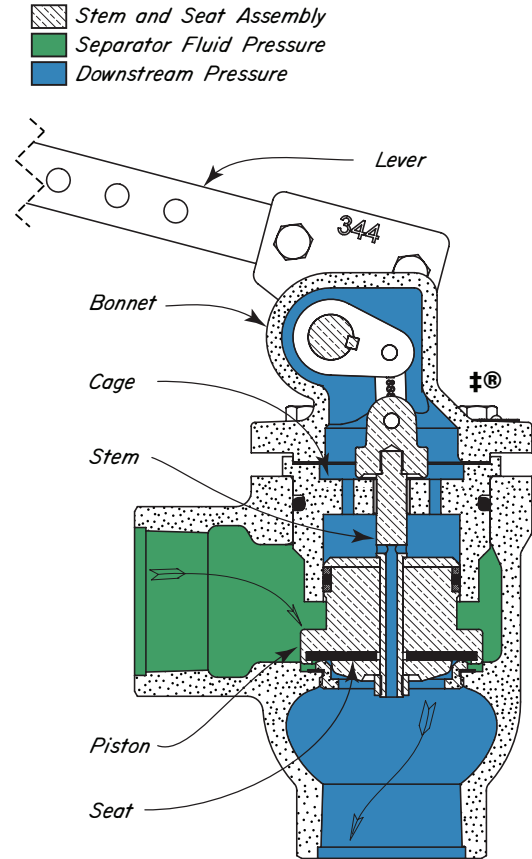
The soft seat in a standard mechanical valve remains in the path of the process fluid. While this has worked great in most applications, the presence of high pressure drop and erosive service can cause premature seat erosion. This results in the valve not being able to shut tight against upstream pressure and costly replacement or repairs become necessary.

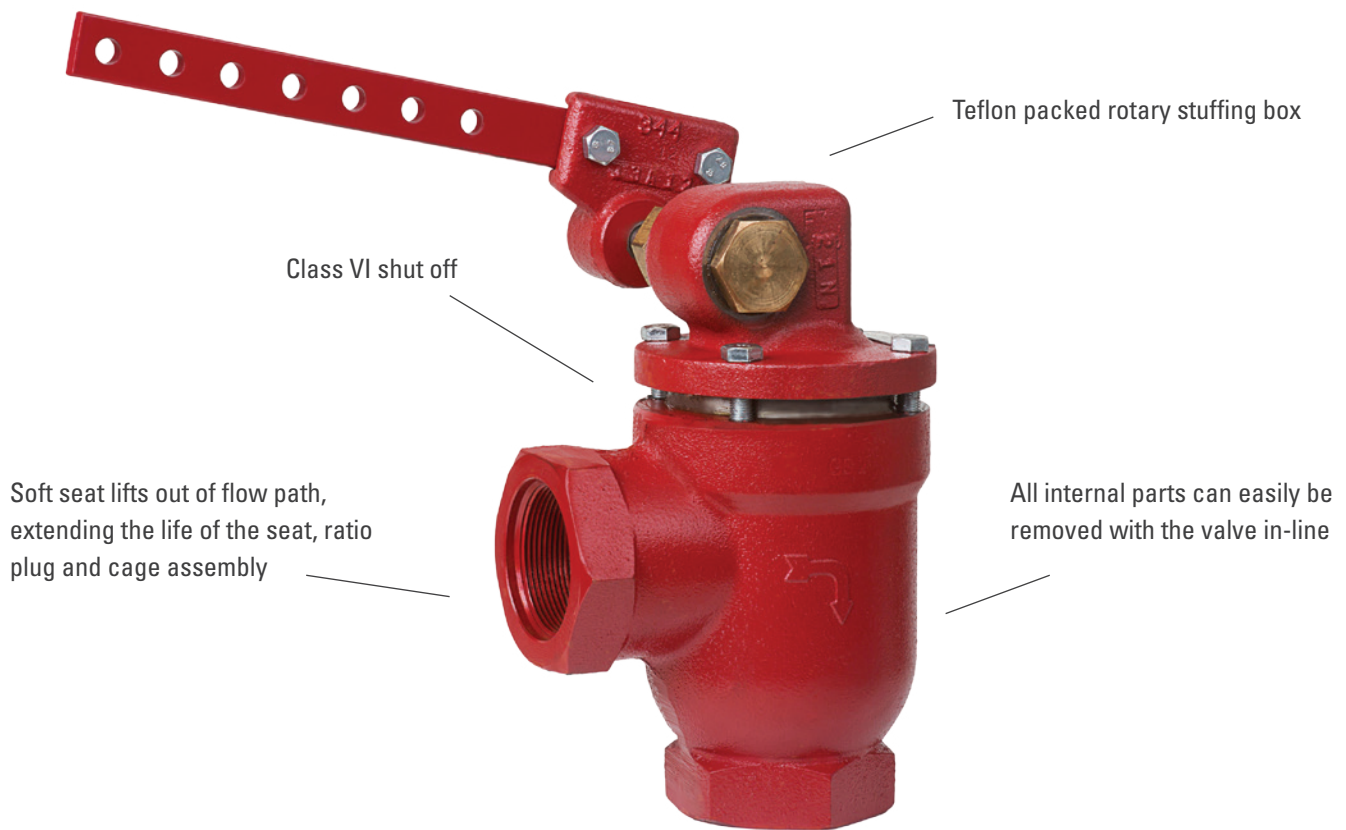
THE SOLUTION

Unlike the standard mechanical valve, the seat in the PBTM lifts out of the flow path, which eliminates wear on the soft seat, ratio plug and cage assembly. The result is the valve lasting an average of four times longer.

APPLICATIONS

As oil or water dump valves on separators, treaters, knockouts and other similar accumulators. Designed for high pressure erosive service.





SPECIFICATIONS

Temperature -20° -350°F

Operating Pressure 500 psi

Elastomers Viton, HSN

Working Pressure Up to 500 psi

Repair Kit
RUV - 2"
RUX - 3"

Cf & Cv Values	Line Size	Trim Size	Cf	Cv
	2"	1.25"	0.34	24
Cv for Reduced	2"	2.00"	0.75	47
	3"	3.00"	0.75	89

CODE BUILDER

Piston Balanced Throttling
Mechanical Valve

Base Code	Description
CAZ	2" NPT
CAZ5	2" reduced inner valve NPT
CVA	3" NPT
CVB	3" 150 RF

Elastomer Code	Description
V	Viton
HSN	Highly Saturated Nitrile

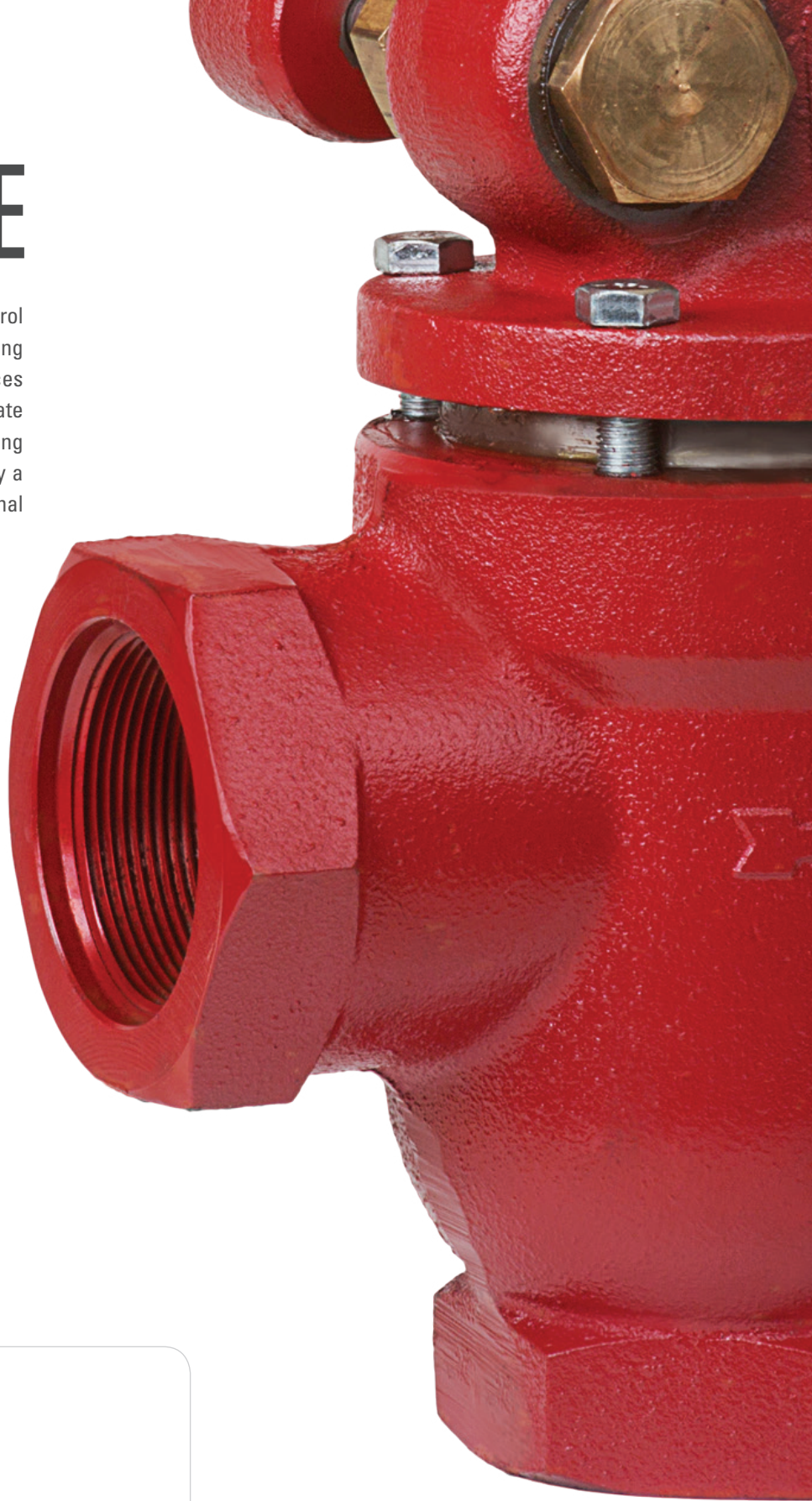
Certification Code	Description
-	No Certificate
MTR	Material Test
NC	NACE Certification

WHO WE ARE

Kimray designs and manufactures oil and gas control products. Based on more than 65 years of pioneering product development, we provide products and services that are reliable, smart and inventive. We generate meaningful solutions by staying curious and engaging in customers' needs. Our product ideas are fueled by a deep desire to make a difference that is both personal and unique to the customer.

We have made it our life's work to provide products and services that are positively impactful. Through the years, this pursuit has built strong relationships. Our customers have known that buying from Kimray is about much more than the product. The relationships between Kimray representatives and our customers extend from before the sale through the life of the product. Those relationships, along with quality Kimray products, are the result of a company striving for excellence for our customers, our company and our community.

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