

TRI-PRO SERIES

3-PIECE HIGH PERFORMANCE FIRE SAFE BALL VALVES



Official Distributor

KIMRAY
INC.®

INTRODUCTION

Flo-Tite's Tri-Pro Series is a superior quality, rugged, and universal purpose valve for all fluids in endless petroleum, natural gas, industrial, chemical, power, paper and OEM applications. This versatile three-piece valve includes multiple features designed to increase safety, reliability, and ease of maintenance including Flo-Tite's Van Guard Stem Sealing System. Additionally, pairing the Tri-Pro with Flo-Tite's award winning Media Containment Unit allows for secondary containment and early detection of fugitive emissions, enabling users to meet strict environmental regulations.

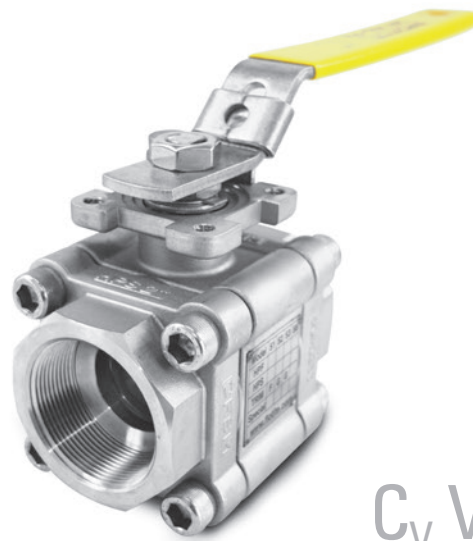
KEY DESIGN FEATURES

- Fire Safe Certified to API 607 4th Edition
- ISO 5211 Actuator Mounting Pad
- Secondary Media Containment
- Anti-Static Grounding Device
- Protected Seat Design
- Captive Seats and Seals
- Two Fully Contained Body Seals
- Cap Screw Body Assembly
- Cryogenic Service Option Available
- V-Port Control Option Available
- Metal Seats Available
- Weld-In-Place Design as Standard for SW and BW

APPLICATIONS

Endless applications across many different industries:

- Isolation
- On/Off
- Control (with V-Port ball option)
- Cryogenic Service



SPECIFICATIONS

Models	HPF50	HPF40	HPS50	HPS40
Port	Full		Reduced	
Body Material	316SS	WCB	316SS	WCB
Size	1/4" to 4"		1/2" to 4"	
Pressure Rating	3000 WOG 1/4" to 3/4" 2250 WOG 1" to 4"		3000 WOG 1/2" to 1" 2250 WOG 1-1/4" to 4"	
Connections	NPT, Socket Weld, Butt Weld, ANSI Class 150/300/600			
Seat Material	TFM standard with other options available			
Stem and Body Seals	Graphite standard with other options available			
Ball Material	316SS & 304SS			
Stem Material	17-4PH standard, SS316			

C_v VALUES

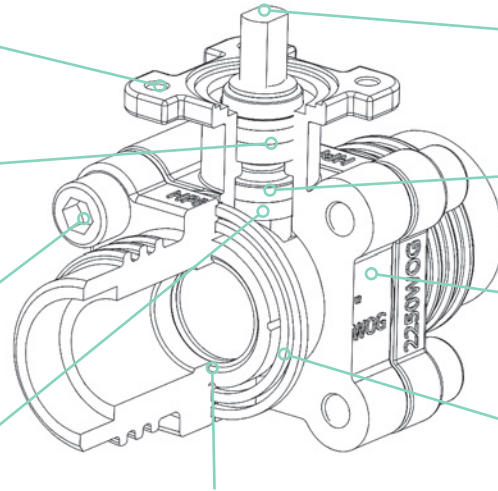
Full Port		Reduced Port	
Size	C _v	Size	C _v
1/4"	18	1/2"	18
3/8"	18	3/4"	20
1/2"	18	1"	40
3/4"	42	1 1/2"	120
1"	72	2"	200
1 1/4"	124	2 1/2"	300
1 1/2"	210	3"	640
2"	350	4"	900
2 1/2"	650		
3"	950		
4"	1620		

I-SO mount actuator pad - 4 bolt design eliminates torsional stress. Actuator can be removed while valve is under full pressure.

V-ring packing rings form a rigid, high cycle stem seal.

Fully encapsulated cap screws protected from outside environment.

Anti-Static grounding devices at two locations enable electrical continuity.



Parallel flat stem head indicates ball position. 17-4PH standard as stem material.

Thrust bearing provides excellent, long life bearing support.

Body precision investment casting, Shell/Wall designed to ANSI B16.34.

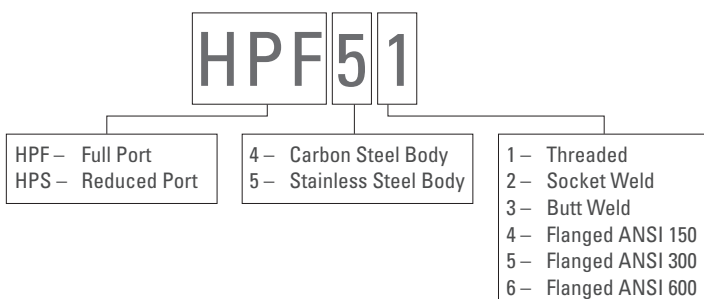
Fully encapsulated graphite gaskets isolate media from atmosphere.

Pocketed and recessed seats with secondary metal backup seal.

VALVE MODELS

Model	PORT		BODY MATERIAL		END CONNECTION			
	Full	Reduced	SS	CS	Threaded	Socket Weld	Butt Weld	Flanged
HPF51	•		•		•			
HPF52	•		•			•		
HPF53	•		•				•	
HPF56	•		•					•
HPF41	•			•	•			
HPF42	•			•		•		
HPF43	•			•			•	
HPF46	•			•				•
HPS51		•	•		•			
HPS52		•	•			•		
HPS53		•	•				•	
HPS41		•		•	•			
HPS42		•		•		•		
HPS43		•		•			•	

MODEL IDENTIFICATION



WHO WE ARE

Kimray is a world-class manufacturer of oil and gas control equipment based in Oklahoma City, Oklahoma, USA. Trusted for generations, Kimray has been creating simple, effective products for temperature, level, flow, and pressure control since 1948.

Kimray products are known for being reliable, easy to operate, and low maintenance. Common applications include compression, gas dehydration, gas sweetening, separation, heaters, artificial lift, gas regulation skids, measurement stations and more.

Buying from Kimray is about much more than the product. The relationships between our 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.

