

Fisher™ EWD, EWS, and EWT Valves through NPS 12x8

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Figure 1. Fisher NPS 12x6 EW Series Valve With
667 Actuator



Introduction

Scope of Manual

This instruction manual includes installation, maintenance, and parts information for Fisher NPS 4x2 through 12x8 EWD, EWS, and EWT valves (figure 1). Refer to separate manuals for instructions covering the actuator and accessories.

Do not install, operate, or maintain an EW valve without being fully trained and qualified in valve, actuator, and accessory installation, operation, and maintenance. To avoid personal injury or property damage, it is important to carefully read, understand, and follow all the contents of this manual, including all safety cautions and warnings. If you have any questions about these instructions, contact your [Emerson sales office](#) or Local Business Partner before proceeding.

Key 3* Cage (except for Whisper Trim III and Cavitrol III constructions)

Valve Size, NPS	Cage Style		Standard Stainless Steel ⁽¹⁾	CF8M (316 SST), Electroless Nickel Coating	R30006 (Alloy 6)	
4x2	Quick-opening		2U223433272	2U740448932	2U223439102	
	Equal percentage		2U223733272	2U741048932	2U223739102	
	Linear		2U224033272	2U741648932	2U224039102	
	Whisper Trim I		2V502533272	---	2V5025X0012	
6x4x2-1/2	Quick-opening		2U227633272	2U740548932	2U227639102	
	Equal percentage		2U227933272	2U741148932	2U227939102	
	Linear		2U228233272	2U741748932	2U228239102	
	Whisper Trim I		2V502633272	2V503348932	2V5026X0012	
6x4 or 8x4	Quick-opening		2U236033272	2U740748932	2U236039102	
	Equal percentage		2U236333272	2U741348932	2U236339102	
	Linear		2U236633272	2U741948932	2U236639102	
	Whisper Trim I		23A8915X032	---	23A8915X012	
8x6 or 12x6, except for Whisper Trim III cages	Quick-opening		2U506333272	2U8069	2U506339102	
	Equal percentage		2U505933272	2U8067	2U505939102	
	Linear		2U506133272	2U8068	2U506139102	
	Whisper Trim I	51 mm (2 inch) travel		23A8913X032	---	23A8913X012
		102 mm (4 inch) travel	NPS 8x6 valve	23A7190X012	---	23A7190X022
NPS 12x6 valve	23A7191X012		---	23A7191X022		
10x8 or 12x8	Quick-opening		20A3249X012	20A5469X012	20A3249X092	
	Equal percentage		20A3245X012	20A5467X012	20A3245X092	
	Linear		20A3247X012	20A5468X012	20A3247X092	
	Whisper Trim I, NPS 10x8 valve only, 102 mm (4-inch) travel		43B7381X012	---	---	

1. Standard stainless steel is CB7CU-1 (S17400 H900). S41600 (416 SST) is standard for Whisper Trim III cages in NPS 8X6 and NPS 12X6 with 5.375 inch port.

Actuator Groups (by Type Number)

Group 1 54 mm (2-1/8 inches), 71 mm (2-13/16 inches) or 90 mm (3-9/16 inches) Yoke Boss	Group 100 127 mm (5 inches) Yoke Boss	Group 101 127 mm (5 inches) Yoke Boss	Group 403 90.5 mm (3-9/16 inches) Yoke Boss
585C Series—50.8 mm (2 inches) travel	585C	667	585C
472 & 473	472		1008
657 & 667—76.2 mm (3 inches) travel	473		
1008—71.4 mm (2-13/16 inches) yoke boss	657		
	1008		