



COPPERHEAD

MONITORS

## Copperhead

- Rugged, corrosion resistant brass construction is ideal for use in refineries, chemical plants, off shore installations and for shipboard use
- Specific industrial reliability/maintenance-free features of the Copperhead IV include:
  - Sealed grease bearings with a built-in, one way, pressure release
  - Enclosed, stainless steel locking mechanism
  - Environmentally-sealed valve actuator
- Efficient design creates the most cost effective brass monitor in its flow class
- Low friction loss due to 3 $\frac{3}{8}$ " patented vaned elliptical waterway
- Small footprint — less than 15" wide and requires just 16" of clearance — makes it ideal for tight spaces

5-38

Copperhead  
Mo. 8593IV

Utilizes Unibody Valve technology with a stainless steel, quarter-turn, full-flow ball



Full 360° rotation

All surfaces sealed against moisture, sand, and particle penetration

Single bolt change-out rotates valve handle position in 45° increments

200  
PSI

1250  
GPM

FM

APPROVED

CE

SPECIFICATIONS			
Max. GPM (LPM)	1250 (4732)		
Inlets	4"	150# ANSI Flange	
	3"	150# ANSI Flange	
			NPT (F)
Outlet	2.5" NHT		
Controls	Tiller		
	Dual hand-wheel – rotating base		
	Dual hand-wheel – fixed base		
Material/Finish	Brass with red urethane enamel		
Friction Loss Copperhead	16 psi at 1250 gpm		
	12 psi at 1000 gpm		
Friction Loss Copperhead IV	21 psi at 1250 gpm		
	16 psi at 1000 gpm		
Travel	V -45° to +90° (135°)		
	V -49° to +86° (135°)		
	H 360° (continuous)		
Weight	Variable (see chart for specifics)		
Ratings and Certifications	CE, FM Approved		



INTEGRATED VALVE (1)



TILLER BAR (3)



HAND WHEEL (4)

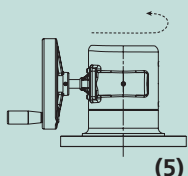
### Copperhead Selector Guide

INLET SIZES / TYPES			OUTLET SIZE	CONTROLS				VERTICAL TRAVEL		INTEGRAL COMPONENTS		CERTIFICATION		Illustration	MODEL	
NPT	150# ANSI Flange			Fixed Base (68 Lbs.)	Rotating Base (68 Lbs.)	Copperhead Bar (58 Lbs.)	Copperhead IV Bar (87 Lbs.)	-45 to +90° (135°)	-49 to +86° (135°)	3" Ball Valve		Pressure Gauge	CE			FM Approved
3"	3"	4"	Hand-wheel							Tiller	Hand-wheel			Tiller		
o	s	o	•			s		•				o	•	•	3	8593-02
o	s	o	•			s		•				o	•	•	3	8593-02N
o	s	o	•		s			•				o	•	•	4,6	8593-03/ 294-11rev.06
o	s	o	•	s				•				o	•	•	4,5	8593-03X/ 294-11rev.06x
		s	•			s			•	o	s	o		•	1,2	8593IV
				4,5	4,6	3				2	1					Illustration

KEY s = standard o = option

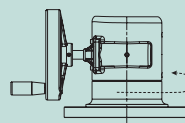
### PRODUCT HIGHLIGHTS

In addition to offering the only brass dual hand-wheel monitor of this size on the market, Elkhart's Copperhead monitor boasts a choice of base configurations:



(5)

- The fixed base dual hand-wheel control allows the operator to remain in a stationary position while manipulating the horizontal movement of the monitor. The fixed nature of the horizontal control can be especially beneficial when operating space is limited.



(6)









- When using the rotating base dual hand-wheel control, the operator moves in tandem with the monitor while managing the monitor's horizontal travel. The rotating base allows the operator to maintain visual contact with the monitor's stream direction.

In most industrial settings where the traditional- 294-11 is currently used, the Copperhead would be an appropriate replacement. The Copperhead offers a choice of control styles as well as higher flow capacity.



## COPPERHEAD

### Recommended Products

<b>SM-1000HF – SELF-EDUCING</b>  <i>Page 6-16</i>	<b>SM-1250B – X-STREAM®</b>  <i>Page 6-7</i>	<b>CSW-LB – SELECT-O-FLOW®</b>  <i>Page 6-13</i>	<b>181 – DELUGE TIP</b>  <i>Page 1-26</i>
<b>282B – STREAM SHAPER</b>  <i>Page 1-27</i>	<b>84 – BUTTERFLY WAFLER VALVE</b>  <i>Page 5-51</i>	<b>CJB – SELECT-O-STREAM®</b>  <i>Page 6-12</i>	<b>IMS – SELECT-O-STREAM®</b>  <i>Page 6-12</i>

### Components & Options Chart

COMPONENTS & OPTIONS		ILLUSTRATION	MODEL
Companion Flange Kits	3" 150# ANSI steel flange with bolts and gaskets		81315001
	4" 150# ANSI steel flange with bolts and gaskets		81317001

### ADDITIONAL INFORMATION

- *Weights are approximate and will vary by selected inlet.*
- *Marine Brass (85-5-5-5) construction is available on the Copperhead. Please inquire with our sales staff.*
- *Technical Data on monitor performance may be found on page T-11.*
- *LA style handles available on the Copperhead. Please inquire with our sales staff.*