



Economy General Application Diaphragm Seal Type E Series

General Information for Type E Series Seals

- ✓ **EC** Series models (*available soon in 3Q 2009*) are **thread attached** all-welded seals, ideal for use with all pressure gauge sizes with 2" diaphragm for increased sensitivity and displacement, especially designed to drive **pressure gauge sizes 4" and larger**.
- ✓ **EW** Series models are **thread attached** all-welded miniseals that use 1-1/2" diameter diaphragm, which are ideal for use with **3-1/2" and smaller gauges**.
- ✓ **EW** and **EC** models have a **diaphragm** welded to the **lower housing**, designed as an economical alternative to S-Series diaphragm seals. **EW** and **EC** models are available with **flushing connection**.
- ✓ **EC** models have standard design operation up to **3,000 PSI at 100°F (38°C)**.
- ✓ **EW** models have standard design operation up to **2,500 PSI at 100°F (38°C)**. **EW** is available with **elevated pressure** option up to **5,000 PSI at 100°F (38°C)**.
- ✓ **EC** and **EW** models are ideal for **spray paint** equipment, **agriculture** equipment, **compressors**, **mixing** equipment, **metering** equipment, **water and waste** equipment, or **chlorine treatment** equipment, any applications where **pressure pulsation** may adversely affect gauge life.
- ✓ A wide variety of **liquid filling** and **attachment** options are available. If no filling and attachment options are used, enter a dash (" - ") for those characters.
- ✓ **Special** options (15th character) are also available. If no special options are used, enter a dash (" - ") for this character.

Model Selection Guide

Type	Seal Mounting	Operating Temperature	Operating Pressure	Process Application	Flushing Connection
ECX	Threaded	100°F (38°C)	3,000 PSI	General Purpose	No
ECY	Threaded	100°F (38°C)	3,000 PSI	General Purpose	Yes
EWX	Threaded	100°F (38°C)	2,500 PSI	General Purpose	No
			5,000 PSI	Elevated Pressure	No
EWY	Threaded	100°F (38°C)	2,500 PSI	General Purpose	Yes



Figure 1: EW with 1/4" NPT Male Connection

Master Gauge Co.



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