



Tri-Blender®

Product Data / Specifications

Models F1114L and F2114

Standard Design

Tri-Blender Models F1114L and F2114 consist of a standard NEMA C-flange motor, 316L grade stainless steel blending chamber, a balanced mechanical seal, a powder inlet assembly, liquid inlet assembly, 304 stainless steel hopper, and a 304 stainless steel base. These units are ideal for pilot plants or small scale proven applications.

Seal Types

Type D (standard)

Description:

Sanitary external balanced seal

Seal Face Material:

- Stainless steel vs. Carbon (rotating)

Type DG (option)

Description:

Clamped-in seal/seat design

Seal Face Material:

- SiC clamped-in seat vs. Carbon (rotating)
- Tungsten carbide vs. Carbon (rotating)
- Ceramic vs. Carbon (rotating)

Type E (option)

Description:

Water-cooled balanced double seal

Seal Face Material:

- Stainless steel vs. Carbon (rotating)



Tri-Clover Inc.



Tri-Blender®

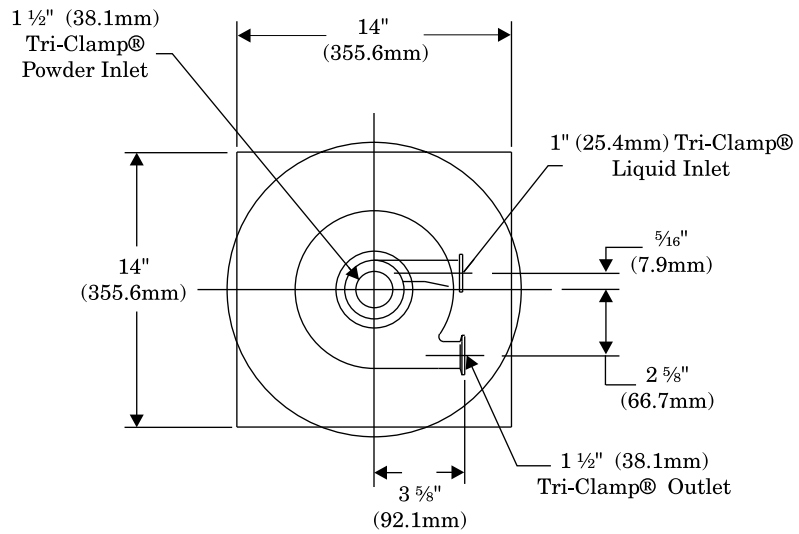
Technical Data - Models F1114L and F2114

Dry Ingredient Capacity:	<i>F1114L:</i> 8 - 10 GPM (1.8 - 2.3m ³ /hr) Up to 25 lbs. (11.3 kg) per minute* <i>F2114:</i> 40 - 45 GPM (9.1 - 10.2m ³ /hr) Up to 45 lbs. (20.4 kg) per minute*
	*Absorption dependent on characteristics of product.
Installation Size:	18 x 18 in. (46 x 46 cm) floor space requirement
Height:	40° hopper, 52 ⁷ / ₈ in. (134 cm) 60° hopper, 52 ¹⁵ / ₁₆ in. (134 cm)
Controls:	Manually actuated butterfly valve. (optional Pneumatic or Electric actuators available)
Construction:	All wetted parts are 316L stainless steel with quick-couple Tri-Clamp® connections
Base:	Stainless steel (optional dolly available)
Motor:	3 HP - 3500 RPM (2.2 kW) TEFC 3 phase 230/460 volt Dual frequency and voltage rated 60 Hz at 230/460 volts, to 50 Hz at 380 volts. Optional explosion-proof motor available. Optional variable frequency drive (VFD) available
Hopper:	304 stainless steel – 40° or 60° angle available (optional 316L SS available)
Powder Inlet:	<i>F1114L:</i> 1½" in. (38.1mm) connection <i>F2114:</i> 2 in. (50.8mm) connection
Liquid Inlet:	1 in. (25.4mm) connection
Liquid Outlet:	1½ in. (38.1mm) connection
Pump Requirements:	
	<i>Systems handling viscosity up to 500cps (may not be required for lab applications)</i>
Supply Pump:	C114MD56T-S Tri-Flo® Centrifugal Pump
Impeller:	3¼" (82.6mm) Dia.
Casing:	1½" (38.1mm) inlet, 1½" (38.1mm) outlet
Motor:	¾ HP - 1750 RPM
Discharge Pump:	A discharge pump may be required on some applications, consult Tri-Clover for recommendations

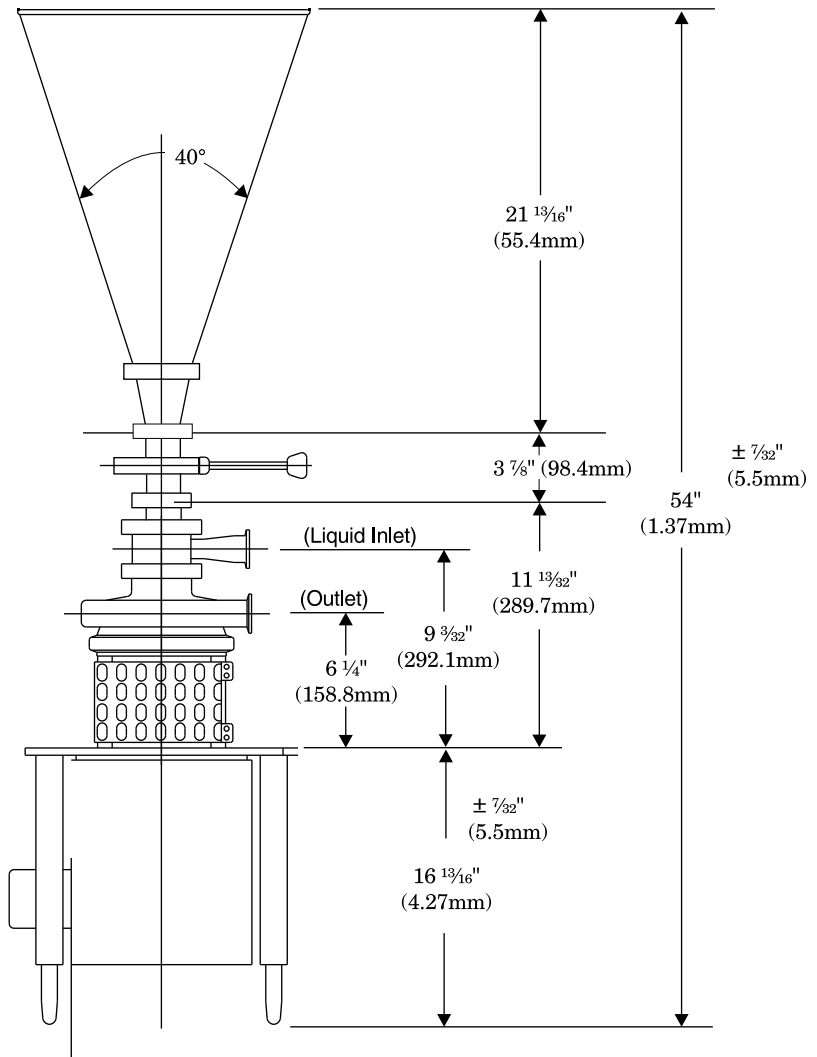
Systems handling viscosity over 500cps - Consult Tri-Clover.

Tri-Blender®

Dimensions - F1114L

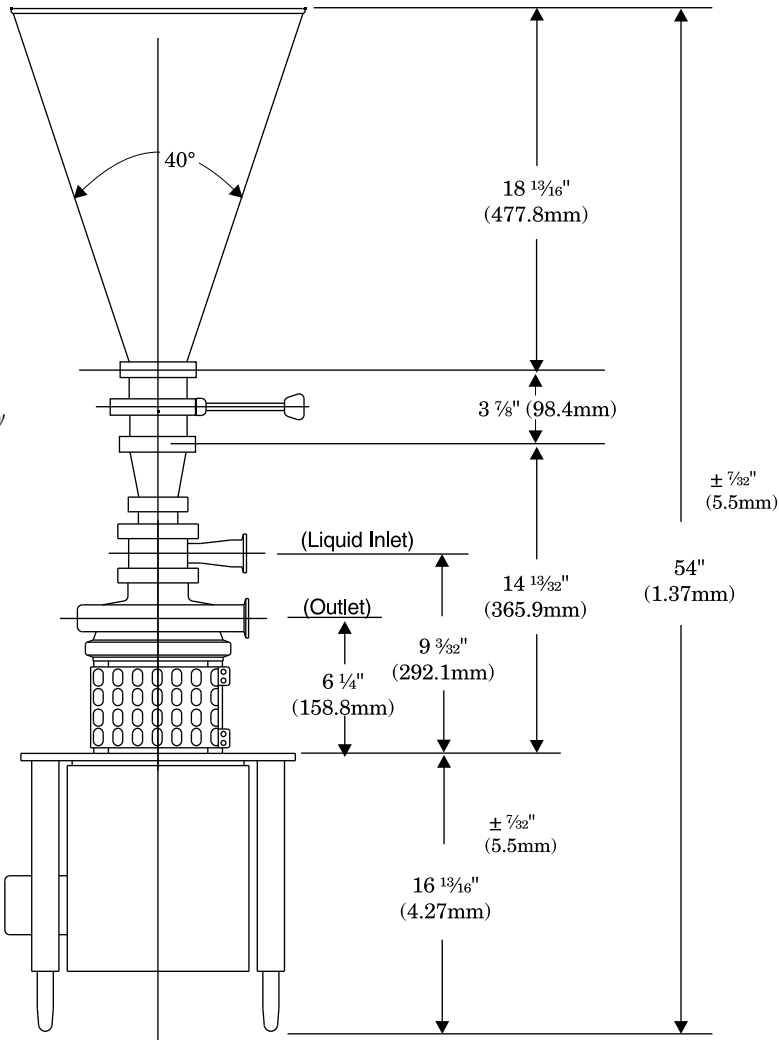
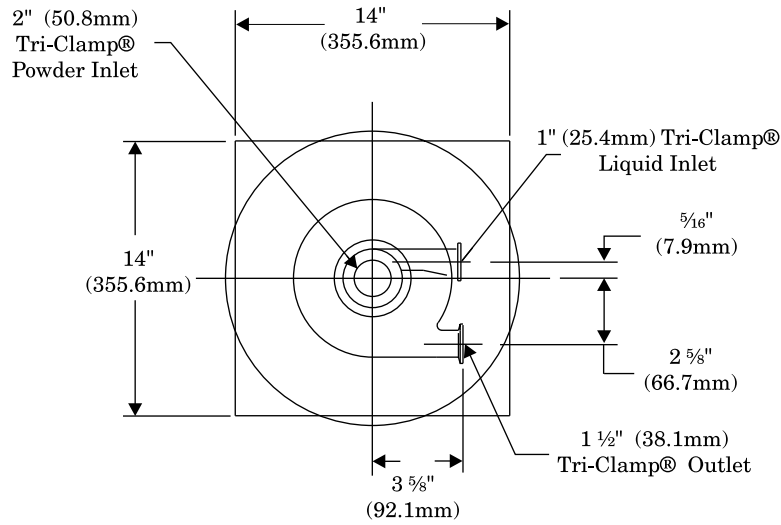


Dimensions are for guidance only and should not be used for installation purposes. Certified dimensions available upon request.



Tri-Blender®

Dimensions - F2114



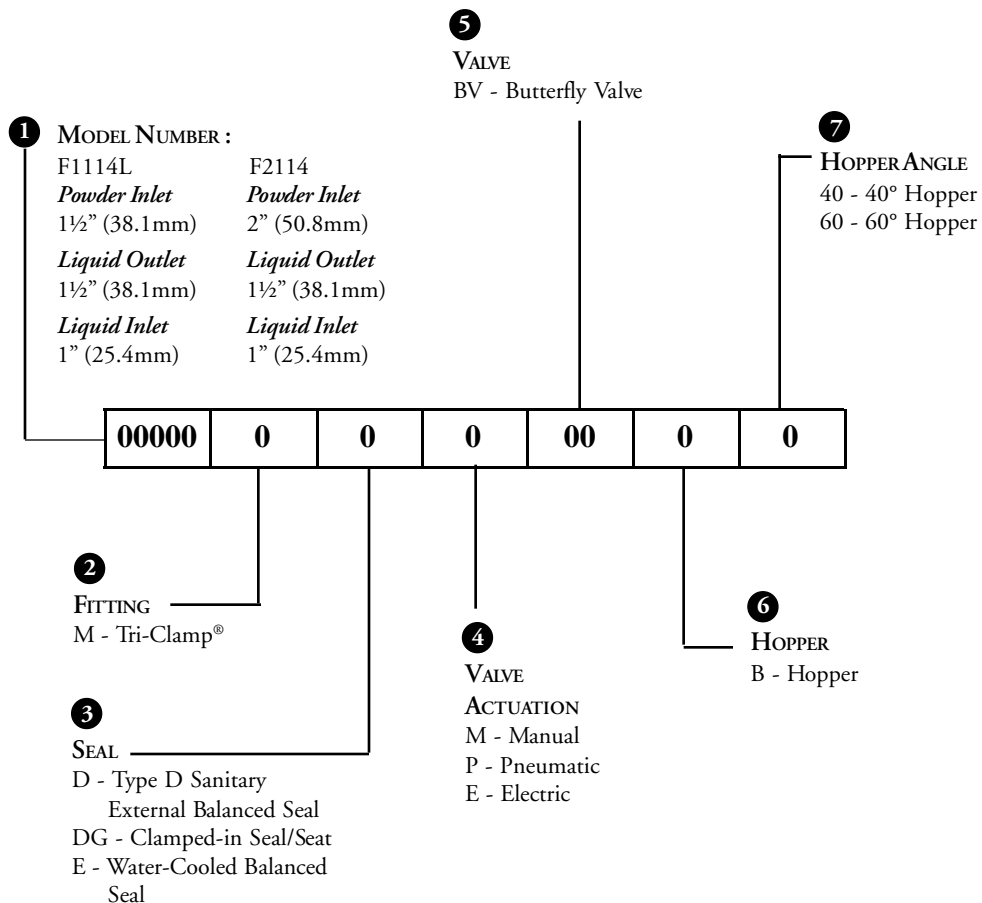
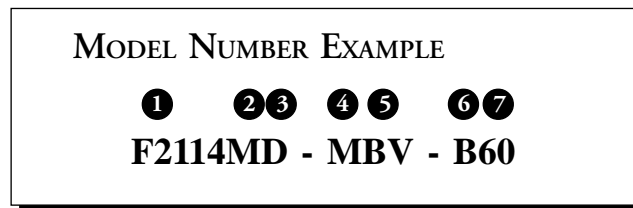
Dimensions are for guidance only and should not be used for installation purposes. Certified dimensions available upon request.

Tri-Blender Hoppers

Below is a list showing volume of various blender hoppers.

Hopper Part No.	Volume	
F2116-55-40-01-40 Deg. Hopper	0.7 Cubic Feet	0.02 Cubic Meters
F2116-55-60-01-60 Deg. Hopper	1.5 Cubic Feet	0.04 Cubic Meters

Order Information





Tri-Clover Inc.

Food & Dairy Division
9201 Wilmot Road
Kenosha, Wisconsin 53141-1413
PHONE: 1-800-242-4000
FAX: 414-694-7104

Distribution Centers
St. Charles, MO
PHONE: 1-800-238-0142
Union City, CA
PHONE: 1-800-852-3178

Bio-Pharm Division
PHONE: 1-800-511-5444
FAX: 414-694-2454

Tri-Clover Canada
101 Milner Avenue
Scarborough, Ontario M1S4S6
PHONE: 416-297-3400
FAX: 416-299-5095

Export Division
PHONE: +1-314-447-1555
FAX: +1-314-447-1447

Tri-Clover Mexico
Recursos Petroleros No. 7
Fracc. Ind. La Loma
54060 Tlalnepantla, Edo. de Mexico
PHONE: 52-5-397-0601
FAX: 52-5-362-3246

E-mail address: TCWEBMASTER@alfalaval.com
Visit our web site at www.tri-clover.com

