



Universal HVAC/R
Parts and Supplies



Small Bypass

Large Bypass

Large Fan Powered

INDOOR AIR QUALITY

TOTALINE® BYPASS AND FAN POWERED HUMIDIFIERS

Indoor humidity levels, or amount of moisture in the air, have a significant impact on comfort - from dry sinuses, bloody noses, cracked lips, and itchy eyes, to aggravating respiratory allergies and asthma. Fortunately, Totaline offers multiple whole-home humidifier solutions to keep the residence at the recommended 30-50% humidity levels¹.

Three whole-home humidifier solutions to meet your humidity needs.

HUMIDIFIER SIZING TABLE²

Part Number	Description	Building Floor Area, Including Basement		
		Loose Construction	Average Construction	Tight Construction
P110-SBP2412	Small bypass humidifier	Up to 1,200 ft ² / 111 m ²	Up to 1,794 ft ² / 166 m ²	Up to 3,588 ft ² / 333 m ²
P110-LBP2417	Large bypass humidifier	Up to 1,700 ft ² / 158 m ²	Up to 2,545 ft ² / 236 m ²	Up to 5,000 ft ² / 464 m ²
P110-LFP1518	Large fan Humidifier	Up to 1,800 ft ² / 167m ²	Up to 2,697 ft ² / 250 m ²	Up to 5,000 ft ² / 464 m ²

Assumes 8' ceilings. Loose construction = little or no insulation; average = insulated w/ vapor retarders, storm doors and windows; tight = well insulated w/ tight storm doors & weather stripping. See AHRI Guideline F for full details. Bypass humidifiers use ductwork between the return and the supply for airflow. Fan powered do not require additional ductwork and may be advantageous in certain installations.

ALL TOTALINE HUMIDIFIERS FEATURE THE FOLLOWING

- **Three ways to control.** Use the included manual humidistat, or upgrade to the optional HumidiTrac to allow the humidifier to compensate for the outside temperature. A thermostat, provided it has humidifier control, can also be used.
- **Quiet operation.** Totaline whole-home humidifiers add moisture by quietly drawing air through a humidifier pad, then utilize the existing HVAC system to distribute the moistened air throughout the home.
- **Simple maintenance.** Totaline humidifiers are designed for easy serviceability. Service is required only once per season, and typically takes less than 30 minutes – including changing the humidifier pads. Unlike portable humidifiers, there are no reservoirs that require cleaning and refilling.
- **Long lasting, quality components.** All humidifier housing parts that come in contact with water are non-metal and will not rust or corrode. Electrical components have a five-year limited warranty, and the entire unit is backed by a one-year limited warranty.

TOTALINE® BYPASS AND FAN POWERED HUMIDIFIERS



DESCRIPTION	SMALL BYPASS	LARGE BYPASS	LARGE FAN-POWERED
Part Number	P110-SBP2412	P110-LBP2417	P110-LFP1518
Gallons/Liters Per Day	12 GPD / 45.4 LPD	17 GPD / 64.4 LPD	18 GPD / 68.1LPD
Water Feed Rate	3 gal/hr; 11.4 liters/hr	3 gal/hr; 11.4 liters/hr	6 gal/hr; 22.7 liters/hr
RECOMMENDED APPLICATION			
Loose Construction	up to 1,200 ft ² / 111 m ²	up to 1,700 ft ² / 158 m ²	up to 1,800 ft ² / 167 m ²
Average Construction	up to 1,794 ft ² / 166 m ²	up to 2,545 ft ² / 236 m ²	up to 2,697 ft ² / 250 m ²
Tight Construction	up to 3,588 ft ² / 333 m ²	up to 5,000 ft ² / 464 m ²	up to 5,000 ft ² / 464 m ²
GENERAL			
Unit size H x W x D	15-5/8 x 13.0 x 10-1/4 in 39.7 x 33.0 x 26.0 cm	15-3/8 x 15-3/4 x 10-1/4 in 39.1 x 40.0 x 26.0 cm	15-29/32 x 18.0 x 10-11/32 in 40.4 x 45.7 x 26.3 cm
Weight	7.4 lbs / 3.4 kg	8.3 lbs / 3.8 kg	15.7 lbs / 7.1 kg
Airflow	Bypass	Bypass	Fan
Waterflow	Drain through	Drain through	Drain through
Evaporator Pad Size	9-7/8 x 9-5/8 x 1-11/16 in 25.1 x 24.4 x 4.3 cm	13 x 10 x 1-11/16 in 33.0 x 25.4 x 4.3 cm	13 x 10 x 1-11/16 in 33.0 x 25.4 x 4.3 cm
Evaporator Pad Access	Quick release cover	Quick release cover	Quick release cover
Damper	Built-in, 6" (15.2 cm) round	Built-in, 6" (15.2 cm) round	N/A
Manual Humidistat	Included	Included	Included
ELECTRICAL			
Voltage	24V, 60Hz	24V, 60Hz	120V, 60Hz
Amps (max)	0.5	0.5	0.8
CONNECTIONS			
Water Inlet	1/4" (6.35 mm) copper tubing	1/4" (6.35 mm) copper tubing	1/4" (6.35 mm) copper tubing
Water Drain	1/2" (12.7 mm) I.D. plastic hose	1/2" (12.7 mm) I.D. plastic hose	1/2" (12.7 mm) I.D. plastic hose
Bypass Opening	6" (15.2 cm) round elbow or straight	6" (15.2 cm) round elbow or straight	6" (15.2 cm) round elbow or straight
Duct Opening WxH (in)	9.5 x 9.5 in 24.1 x 24.1 cm	10.0 x 12-3/4 in 25.4 x 32.4 cm	14-3/4 x 14-5/16 in 37.5 x 36.4 cm
OPTIONAL ACCESSORIES			
HumidiTrac Automatic Control	P110-0056	P110-0056	P110-0056
SERVICE COMPONENTS			
Evaporator Pad Replacement	P110-1045	P110-3545	P110-3545
In-Line Strainer	4358	4358	4358
Motor	n/a	n/a	4376
Saddle Valve	4359	4359	4359
Solenoid Valve	4357	4357	4374
Drain Spud	4356	4356	n/a

*Based on 120°F (48.9°C) plenum temperature, 71.5°F (21.9°C) water temperature.

¹Humidifiers: Ease skin, breathing symptoms. Mayo Clinic <https://www.mayoclinic.org/diseases-conditions/common-cold/in-depth/humidifiers/art-20048021>

²Humidifier Sizing Table based on AHRI Guide F, 2015 Guideline for Selection, Installation, and Servicing of Residential Humidifiers. Table assumes 8' (2.4m) ceilings, with 12, 17, and 18 gallons per day (45.4, 64.4, and 68.1 liters per day) capacity from the Totaline Small Bypass Humidifier, Large Bypass Humidifier, and Large Fan Powered Humidifier, respectively.



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