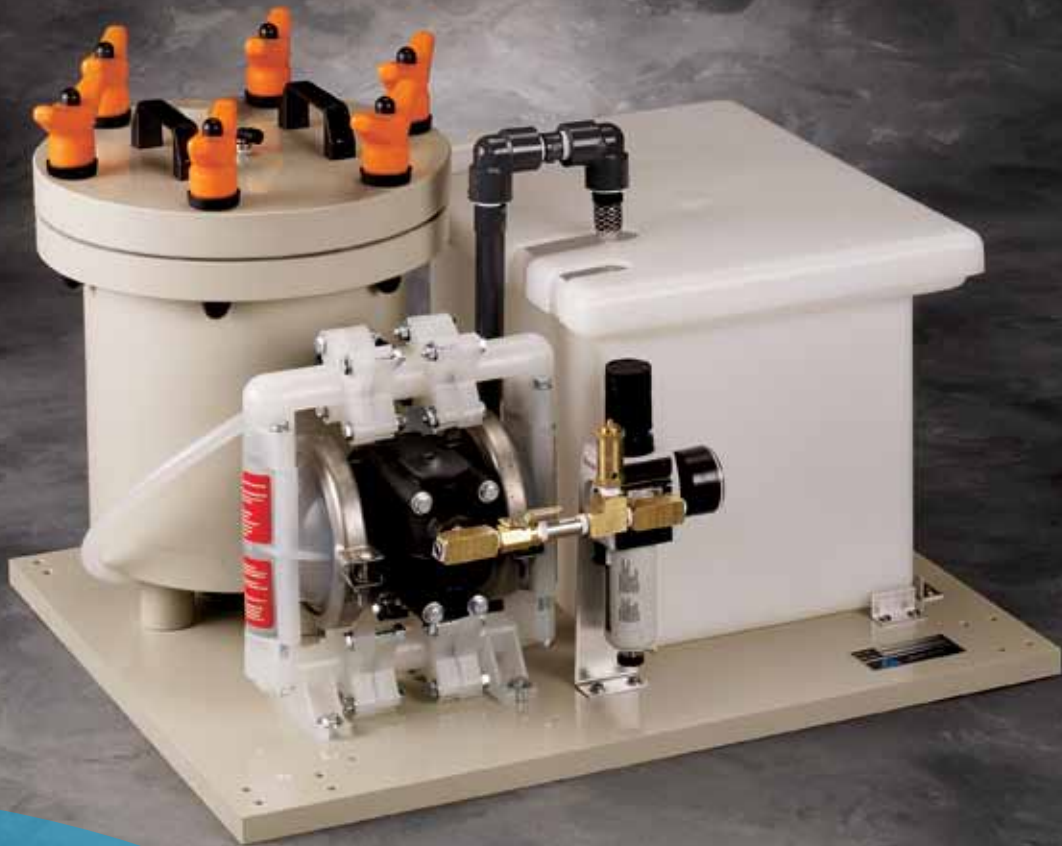


Buehler® EnvironMet™

Filtering and Recirculating System



BUEHLER

Excellent Results. Easily Repeatable.™

EnvironMet™ Filtering and Recirculating System

Designed with practicality and ease-of-use in mind, the EnvironMet™ Water Filtering and Recirculating Systems are perfectly suited for a wide variety of laboratory grinder/polisher applications where water conservation and environmental issues are paramount.

The EnvironMet™ is available in two versions: a filtering and recirculating system and a simple filtering system. The EnvironMet™ Filtering and Recirculating System had the capacity to filter particles as fine as 1µm. The recirculating system then shuttles the filtered water between the large, easy maintenance coolant reservoir and the preparation surface. The EnvironMet™ Filtering and Recirculating System provides the ultimate water purity for contaminant-free sample preparation.

The affordable EnvironMet™ Filtering System uses fresh water for each step in the preparation sequence. The filter captures particles as small as 100µm for environmentally responsible disposal. When your material applications change or environmental mandates become more strict, the versatile EnvironMet Filtering System can be upgraded to a full filtering and recirculating system.

Powered by compressed air, the EnvironMet™ requires no electrical connections. The replaceable swarf bag removes and collects abrasive debris for easy disposal. Accessory castors provide the dual benefit of easy transport between grinder/polishers and easy maintenance.

Technical Data

Weight:

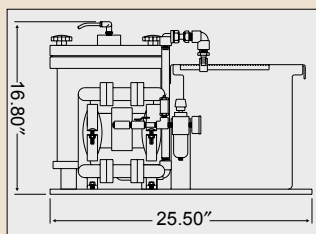
49-2500: 57 lbs. (26kg)

49-2501: 36 lbs. (16kg)

Dimensions:

25½" W x 20½" D x 16.8" H

(648mm x 521mm x 427mm)



Required Air

Pressure:

60-120 psi (4.1-8.3 bar)

Water Flow Rate:

0.41 oz/sec (12mℓ/sec) at pump pressure of 30 psi (2.1 bar)

Tank Volume:

6 gallons (23ℓ)

*Left:
Dimensions of the
EnvironMet™ Filtering
and Recirculating
Systems (side view).*

Specifications

No. 49-2500 EnvironMet™ Filtering and Recirculating System, includes high pressure 1µm filter cartridge, air pump, 6 gallon (23ℓ) water reservoir, PVC drain tube, ¼" (6.4mm) connection tubing, twenty 49-2510 1µm filters, 49-2520 100µm filter bag, sample 49-2450 fungicide and instruction manual. Requires 30-55 psi (2-4 bar) air for operation.

No. 49-2501 EnvironMet™ Filtering System, includes air operated pump, 6 gallon (23ℓ) water reservoir, PVC drain tube, ¼" (6.4mm) connection tubing, 49-2520 100µm filter bag, sample 49-2450 fungicide and instruction manual. Requires 30-55 psi (2-4 bar) air for operation.

Accessories

No. 49-2502 Retrofittable Recirculating Kit, for converting EnvironMet™ Model No. 49-2501 to filtering and recirculating system with 1µm filtration capability. Includes high pressure 1µm filter cartridge, fittings, twenty 49-2510 1µm filters and instruction manual.

No. 49-2510 Replacement Filters, pack of 100. Filters to 1µm. For use with 49-2500 EnvironMet™ Filtering and Recirculating Systems.

No. 49-2520 Replacement Filter Bag, for removal of large abrasive contaminants to 100µm. For use with 49-2500 and 49-2501 EnvironMet™ Filtering and Recirculating Systems.

No. 49-2530 Caster Kit, to allow easy transport and maintenance of EnvironMet™ Filtering and Recirculating Systems.

No. 49-2540 Fungicide 4oz. (102mℓ), to prevent bacterial and fungus growth in recirculating water.

BUEHLER continuously makes product improvements; therefore, technical specifications are subject to change without notice.

BUEHLER ANALYST® SECTION 5



BUEHLER®, a division of Illinois Tool Works Inc.

– Worldwide Headquarters

41 Waukegan Road

Lake Bluff, Illinois 60044-1699 USA

Tel: (847) 295-6500 • Fax: (847) 295-7979

Sales: 1-800-BUEHLER (1-800-283-4537)

www.buehler.com

Email: info@buehler.com

BUEHLER GMBH - European and MESA Headquarters

In der Steele 2 • 40599 Düsseldorf

Postfach 16 03 55 • 40566 Düsseldorf

Telefon: (49) 211 974100 • Telefax: (49) 211 9741079

www.buehler-met.de

Email: info@buehler-met.de

BUEHLER FRANCE

Téléphone: 0800 89 73 71

Télécopie: 0800 88 05 27

www.buehler.fr

Email: info@buehler.fr

BUEHLER UNITED KINGDOM

Telephone: 0800 707 6273

Fax: 0800 707 6274

www.buehler.co.uk

Email: sales@buehler.co.uk

BUEHLER CANADA

10 Carlow Court, Unit #2

Whitby, Ontario L1N 9T7

Telephone: (905) 430-4684

Fax: (905) 430-4647

Sales Telephone: 1-800-268-3593

Email: info@buehler.ca

BUEHLER, ASIA-PACIFIC

5/F Vogue Centre

696 Castle Peak Road

Lai Chi Kok, Kowloon

Hong Kong, SAR, China

Telephone: (852) 2307 0909

Fax: (852) 2307 0233