

# Impression Series® Air Filter Specifications

When specifying Impression Plus Series units, use "IMP" prefix in place of "IM" or "IP" in place of "I".

## Sulfur and Iron Air Filters

MODEL	IMS-1054 IMPS-1054	IMS-1248 IMPS-1248	IMS-1354 IMPS-1354	IMFE-1054 IMPFE-1054	IMFE-1248 IMPFE-1248	IMFE-1354 IMPFE-1354
Mineral Type Amount (Cu. Ft.)	Catalytic Carbon 1.0	Catalytic Carbon 1.5	Catalytic Carbon 2.0	Birm 1.0	Birm 1.5	Birm 2.0
Gravel Amount/Size (No. 1)	14 lb 1/4 x 1/8	14 lb 1/4 x 1/8	14 lb 1/4 x 1/8	14 lb 1/4 x 1/8	14 lb 1/4 x 1/8	14 lb 1/4 x 1/8
Gravel Amount/Size (No. 2)	7 lb #20	14 lb #20	14 lb #20	7 lb #20	14 lb #20	14 lb #20
Service Flow (GPM)	5.0	6.0	7.0	5.0	6.0	7.0
<sup>1</sup> Peak Flow (GPM)	8.0	9.0	10.0	8.0	12.0	14.0
Backwash Flow (GPM)	5.3	7.5	9.0	5.3	9.0	10.0
<sup>2</sup> Iron Removal	1.0	1.0	1.0	5.0	5.0	5.0
<sup>3</sup> Hydrogen Sulfide Removal	5.0	5.0	5.0	1.0	1.0	1.0
pH Range	Greater than 7.0	Greater than 7.0	Greater than 7.0	6.8 to 9.0	6.8 to 9.0	6.8 to 9.0
Total Dimensions	10"W x 62"H	12"W x 56"H	13"W x 62"H	10"W x 52"H	10"W x 62"H	13"W x 62"H
Weight Filled (Lbs.)	99	129	<sup>4</sup> 150	106	139	<sup>4</sup> 164

**NOTE:** The IMS and IMFE are approved for use in the State of Wisconsin.

<sup>1</sup> Not tested at peak flow rate. Water quality will vary.

<sup>2</sup> Iron removal may vary for hydrogen sulfide systems, depending on local conditions.

<sup>3</sup> Hydrogen sulfide removal may vary for iron systems, depending on local conditions.

<sup>4</sup> Units ship with media separate.

## Air CAT Filters

MODEL	IAG-1054 IPAG-1054	IAG-1248 IPAG-1248	IAG-1354 IPAG-1354	IACG-1054AN IPACG-1054AN	IACG-1248AN IPACG-1248AN	IACG-1354AN IPACG-1354AN
Mineral Type <sup>1</sup> Amount (Cu. Ft.)	Greensand Plus 1.0	Greensand Plus 1.5	Greensand Plus 2.0	Greensand Plus: 0.5 Calcite: 0.5	Greensand Plus: 0.75 Calcite: 0.75	Greensand Plus: 1.0 Calcite: 1.0
Gravel Amount/Size (No. 1)	14 lb 1/4 x 1/8	21 lb 1/4 x 1/8	21 lb 1/4 x 1/8	14 lb 1/4 x 1/8	21 lb 1/4 x 1/8	21 lb 1/4 x 1/8
Gravel Amount/Size (No. 2)	7 lb #20	7 lb #20	7 lb #20	7 lb #20	7 lb #20	7 lb #20
Garnet Amount (Lbs)	13.0	19.0	22.0	13.0	19.0	22.0
Continuous Flow (GPM)	3.0	3.0	5.0	3.0	3.0	5.0
<sup>2</sup> Peak Flow (GPM)	6.0	8.0	10.0	6.0	8.0	10.0
Backwash Flow (GPM)	6.5	9.0	11.0	6.5	9.0	11.0
<sup>3</sup> Iron Removal	4.0	4.0	4.0	4.0	4.0	4.0
<sup>4</sup> Hydrogen Sulfide Removal	0.5	0.5	0.5	0.5	0.5	0.5
pH Range	Greater than 6.8	Greater than 6.8	Greater than 6.8	Greater than 6.3	Greater than 6.3	Greater than 6.3
Total Dimensions	10"W x 62"H	12"W x 56"H	13"W x 62"H	10"W x 52"H	10"W x 62"H	13"W x 62"H
Weight Filled (Lbs.)	169	233	<sup>5</sup> 286	169	233	<sup>5</sup> 286

<sup>1</sup> Amount of acid neutralizing media may vary depending on local conditions.

<sup>2</sup> Not tested at peak flow rate. Water quality may vary.

<sup>3</sup> Iron removal may vary, depending on local conditions.

<sup>4</sup> Hydrogen sulfide removal may vary, depending on local conditions.

<sup>5</sup> Units ship with media separate.

## Cycle Times and Usage

MODEL	IMS-1054 IMPS-1054		IMS-1248 IMPS-1248		IMS-1354 IMPS-1354		IMFE-1054 IMPFE-1054		IMFE-1248 IMPFE-1248		IMFE-1354 IMPFE-1354	
	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.	MIN.	GAL.
Backwash Air	4	16	4	23	4	27	4	16	4	23	4	27
Backwash	10	50	10	80	10	100	10	50	10	80	10	100
Regenerant Draw	60	25	60	40	60	50	60	25	60	40	60	50
<b>Total</b>	<b>74</b>	<b>91</b>	<b>74</b>	<b>143</b>	<b>74</b>	<b>177</b>	<b>74</b>	<b>91</b>	<b>74</b>	<b>143</b>	<b>74</b>	<b>177</b>

