Tri•Star Particulate Filters

OPTIONS

add suffix to part number in alpha and numeric order

Float Drain

An internal float rises as condensate accumulates in a filter bowl to activate the drain.

F Internal float drain. F352**F**

Overnight Drains

An overnight drain operates when a compressed air system is shut down. It clears accumulated condensate from a filter bowl when pressure falls to 3 psig or less.

J Overnight drain for polycarbonate bowl F352**J**
Push to manually drain.

K Overnight drain for metal bowl F352**KM**
Twist to manually drain.

M Black coated metal bowl F352**M**

W Black coated metal bowl with sight F352**W**

-5 5 micron element F352**-5**

-3 3 micron absolute element . F352**-3**

SPECIFICATIONS

WARNING! *Polycarbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present, use a metal bowl.*

Polycarbonate Bowl

- Max. supply pressure 150 psig
- Operating temperature range 40˚F to 125˚F

Metal Bowl

- Zinc, black coated
- Max. supply pressure 250 psig
- Operating temperature range 40˚F to 200˚F

Metal Bowl with Sight

- Zinc, black coated
- Max. supply pressure 250 psig
- Operating temperature range 40˚F to 160˚F

Internal Float Drain

- Buna N float

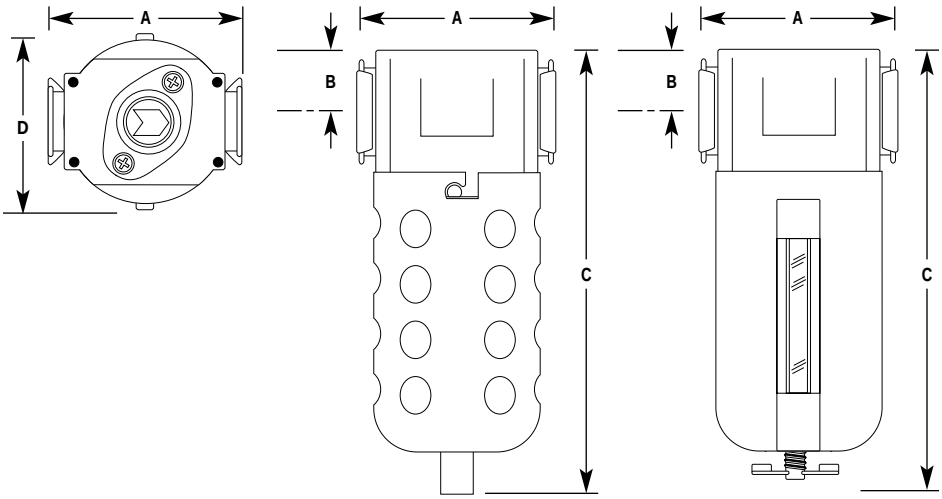
Note: limits bowl temperature and pressure rating

- Operating pressure range 30 to 175 psig
- Operating temperature range 40˚F to 120˚F

Body black coated aluminum
Bowl Guard nickel plated steel
Baffle plastic
Vane plastic
Seals Buna N

FEATURES

- 40 micron sintered bronze element offers depth filtration. High strength, recleanable
- 5 oz. polycarbonate bowl with nickel plated steel bowl guard
- Manual push drain on polycarbonate bowl
- In-line or modular installation



F3

Elements
- 40 micron sintered bronze standard
- 5 micron sintered bronze
- 3 micron absolute pleated fiber

KITS
- Internal float drain kit 5200

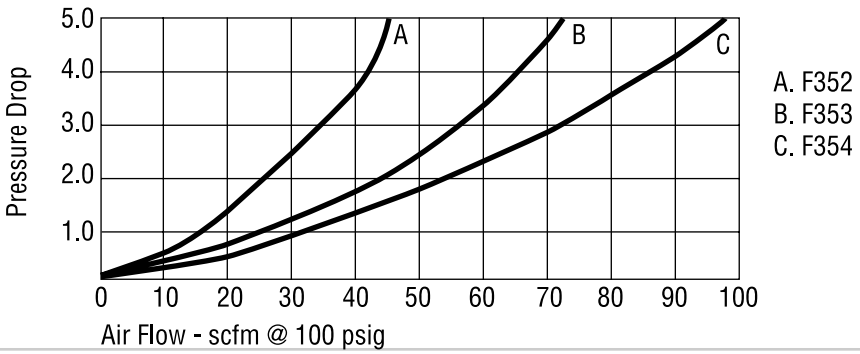
Bowl Kits
- Polycarbonate with guard . . . BKF35
- Black coated metal BKF45M
- Black coated metal with sight BKF45W

Element Kits
- 40 micron 2-pack EK35
- 5 micron 2-pack EK35-5
- 3 micron absolute 2-pack . . EK35-3

Repair Kits
- Repair kit RKF35
- Replacement sight kit WK45

Mounting Kit see page 65
- Mounting kit FBK5

PERFORMANCE CHARACTERISTICS FOR 40 MICRON ELEMENT



* 5 micron element reduces flow by 10%

DIMENSIONS

PIPE SIZE	MODEL NO.	MAX. FLOW SCFM*	BOWL CAPACITY	DIMENSIONS (INCHES) A	B	C	D	WEIGHT (LBS.)
1/4"	F352	48	5 oz.	2 3/4	3/4	6 1/4	2 1/2	1.2
3/8"	F353	75	5 oz.	2 3/4	3/4	6 1/4	2 1/2	1.2
1/2"	F354	100	5 oz.	2 3/4	3/4	6 1/4	2 1/2	1.2
1/4"	F352W	48	6 oz.	2 3/4	3/4	6 7/8	2 1/2	1.7
3/8"	F353W	75	6 oz.	2 3/4	3/4	6 7/8	2 1/2	1.7
1/2"	F354W	100	6 oz.	2 3/4	3/4	6 7/8	2 1/2	1.7

* Flow scfm based on 5.0 psi △ p @ 100 psig inlet.

3 Micron Absolute

The new Arrow 3 micron absolute element is a high efficiency particulate removal element. Unlike nominal rated particulate elements, the 3 micron absolute is qualified to an efficiency rating of 99.5% **solid particulate removal** at 3 microns, and maintains 95% efficiency ratings to .3 microns.

PARTICLE SIZE	REMOVAL EFFICIENCY RATING*	
	5 MICRON NOMINAL	ARROW 3 MICRON ABSOLUTE
.3 μ	19.2%	95.0%
.5 μ	28.8%	97.6%
1.0 μ	35.1%	97.6%
3.0 μ	89.7%	99.5%

* Beta Filtration Rating β3 = 200

Features:
- Element media is cellulous and synthetic fibers with a resin binder. The pleated design has 10 times the surface area of sintered nominal rated elements and increases particle collection.
- End seals consist of 50 durometer Urethane to prevent solid particulate leakage past the element.
- Solid rib supports add extra strength and prevent element collapse under high differential pressure loads.
- Flow and pressure drop identical to 40 micron element.

Applications:
- Air gauging equipment
- Instrument air
- After filter for desiccant dryer