

Donaldson®  
Torit®

**BAG FILTERS**



# JOIN THE DURA-LIFE™ REVOLUTION

Donaldson® Torit® continually raises the bar in bag filter technology. Providing the widest range of bag filters for any baghouse collector, Donaldson Torit offers Dura-Life™ bags. Award-winning Dura-Life bag filters last two to three times longer than standard polyester bags when replacing due to excessive pressure drop, improving the performance, efficiency and bottom line of your baghouse dust collector.

Breathe easier with bag filters from the worldwide leader in dust collection. From Dura-Life high performance bags to specialty bags, no one can match Donaldson Torit's breadth and expertise. For the best bag filters that keep any brand of baghouse dust collector operating at its peak, rely on Donaldson Torit.

## Donaldson Torit Bag Filters Offer:

- Dura-Life "Twice the Life" filter media
- Improved efficiency
- Extensive selection to fit any collector
- Greater performance
- A wide range of media to cover most applications
- Best value



**IRD DUST COLLECTOR**

## **DURA-LIFE™** Twice The Life Filter Bags



**RF DUST COLLECTOR**



**MODULAR BAGHOUSE COLLECTOR**



**DALAMATIC® DUST COLLECTOR**

# INNOVATION IS OUR BAG

## BREAKTHROUGH TECHNOLOGY

As the global leader in filtration for over 90 years, Donaldson Torit continually engineers new baghouse dust collection technology that improves efficiency, raises performance and increases value. Dura-Life bag filters are the latest bag breakthrough, giving manufacturers a more cost-effective, high performance alternative to conventional polyester and other bag filters.

### The Proven Performance of Dura-Life:

- Twice the bag life\*
- Better surface loading of dust
- Improved pulse cleaning
- Lower pressure drop
- FDA compliant versions available
- Reduced maintenance costs
- 99.9% efficiency\*\*
- Energy savings
- Best value

## DURA-LIFE FILTER MEDIA

Dura-Life bag filters are engineered with a unique hydro-entanglement process that uses water to blend the bag fibers, creating a more uniform material with smaller pore size that provides better surface loading of dust and prevents penetration deep into the media. In contrast, conventional polyester bags are manufactured with a needling process that creates larger pores where dust can embed into the fabric, inhibiting cleaning and reducing bag life. With better surface loading, Dura-Life bags provide improved pulse cleaning and a lower pressure drop, which results in extended bag life, less maintenance time and cost, energy savings and greater filtration efficiency.



**Needed Polyester Bag  
Clean Air Side  
(300x)**








**Dura-Life Bag  
Clean Air Side  
(300x)**

These photos were taken with a scanning electron microscope of bag media used in a collector that was filtering fly ash. The bags were removed after 2,700 hours of use. Air-to-media ratio was 4.5 to 1. Pressure drop after 2700 hours of operation was 6 in. (152.4 mm) on polyester bags and 2 in. (50.8 mm) on Dura-Life.

\* Based on pressure drop

\*\* By mass








# BAG FILTER OPTIONS

					
	Dura-Life Polyester	Dura-Life Epitropic	Dura-Life Oleophobic	Dura-Life Epitropic Oleophobic	Aramid
Weight	10.0 oz/yd <sup>2</sup> (355.9 g/m <sup>2</sup> )	10.0 oz/yd <sup>2</sup> (339.0 g/m <sup>2</sup> )	10.0 oz/yd <sup>2</sup> (339.0 g/m <sup>2</sup> )	10.0 oz/yd <sup>2</sup> (339.0 g/m <sup>2</sup> )	14.0 oz/yd <sup>2</sup> (474.6 g/m <sup>2</sup> )
Thickness	0.058-0.068 in. (1.47-1.72 mm)	0.058-0.068 in. (1.47-1.72 mm)	0.058-0.068 in. (1.47-1.72 mm)	0.058-0.068 in. (1.47-1.72 mm)	0.080-0.100 in. (2.0-2.5 mm)
Air Permeability	35-40 cfm @ 0.5" wg (59-68 m <sup>3</sup> /h @ 1.25 mbar)	43-51 cfm @ 0.5" wg (73-87 m <sup>3</sup> /h @ 1.25 mbar)	35-40 cfm @ 0.5" wg (59-68 m <sup>3</sup> /h @ 1.25 mbar)	43-51 cfm @ 0.5" wg (73-87 m <sup>3</sup> /h @ 1.25 mbar)	35-45 cfm @ 0.5" wg (59-76 m <sup>3</sup> /h @ 1.25 mbar)
Maximum Operating Temperature	275°F (135°C)	275°F (135°C)	275°F (135°C)	275°F (135°C)	400°F (204°C)
Maximum Surge Temperature	300°F (149°C)	300°F (149°C)	300°F (149°C)	300°F (149°C)	425°F (218°C)
Abrasion Resistance	Good	Good	Good	Good	Good
Alkalies Resistance	Good	Good	Good	Good	Good
Chemical Resistance	Fair	Fair	Fair	Fair	Fair
Electrical Resistance (ASTM IST 40.1)	NA	<1x08 ohms <sup>2</sup>	NA	<1x08 ohms <sup>2</sup>	NA
Subject to Hydrolysis	Yes	Yes	Yes	Yes	Yes
Oleophobicity Drop Test Rating	NA	NA	5.5 minimum	5.5 minimum	NA
Available for Donaldson Torit Baghouse Collectors	DLMC, DLMV, DU, DY, FS, FT, HPB, HP, IRD, LP, MB, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, DY, FS, FT, HPB, HP, LP, MB, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, DY, FS, FT, HPB, HP, LP, MB, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, DY, FS, FT, HPB, HP, LP, MB, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, DY, FS, FT, HP, LP, MB, PJ, PJD, RF, RSD, TJ

Donaldson Torit bag filters are available for all other brands of baghouse collectors (see listing on page 5).

## COLOR CHART

Dura-Life Media	Specialized Media	Standard Media

						
PTFE® Tetratex®	P84®	Ryton®	Polypropylene	Polyester Felt Untreated	Polyester Felt Singed	Polyester Felt Glazed
16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )	16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )	16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )	16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )	16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )	16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )	16.0 oz/yd <sup>2</sup> (542.4 g/m <sup>2</sup> )
0.060-0.080 in. (1.5-2.0 mm)	0.090-0.110 in. (2.28-2.79 mm)	0.060-0.080 in. (1.5-2.0 mm)	0.085-0.100 in. (2.2-2.5 mm)	0.060-0.080 in. (1.5-2.0 mm)	0.060-0.080 in. (1.5-2.0 mm)	0.060-0.080 in. (1.5-2.0 mm)
10-12 cfm @ 0.5" wg (17-20 m <sup>3</sup> /h @ 1.25 mbar)	20-40 cfm @ 0.5" wg (34-68 m <sup>3</sup> /h @ 1.25 mbar)	25-45 cfm @ 0.5" wg (42-76 m <sup>3</sup> /h @ 1.25 mbar)	25-35 cfm @ 0.5" wg (42-59 m <sup>3</sup> /h @ 1.25 mbar)	25-35 cfm @ 0.5" wg (42-59 m <sup>3</sup> /h @ 1.25 mbar)	25-35 cfm @ 0.5" wg (42-59 m <sup>3</sup> /h @ 1.25 mbar)	25-35 cfm @ 0.5" wg (42-59 m <sup>3</sup> /h @ 1.25 mbar)
275°F (135°C)	460°F (238°C)	375°F (191°C)	200°F (93°C)	275°F (135°C)	275°F (135°C)	275°F (135°C)
350°F (177°C)	500°F (260°C)	375°F (191°C)	200°F (93°C)	300°F (149°C)	300°F (149°C)	300°F (149°C)
Excellent	Good	Good	Good	Good	Good	Good
Excellent	Poor	Excellent	Excellent	Good	Good	Good
Excellent	Poor	Excellent	Excellent	Good	Good	Good
NA	NA	NA	NA	NA	NA	NA
No	Yes	No	No	Yes	Yes	Yes
NA	NA	NA	NA	NA	NA	NA
DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ	DLMC, DLMV, DU, FS, FT, HP, HPB, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ	FS, FT, HPB, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ	FS, FT, HPB, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ

**BAGHOUSE ACRONYM**

DLMC  
DLMV  
DU  
DY  
FS  
FT  
HPB  
HP  
IRD  
LP

**BAGHOUSE NAME**

Dalomatic Cased  
Dalomatic Insertable  
Dalomatic Unit  
DAYNAMIC  
FS  
FTD, FTP  
HPB  
HPT, HPW, HPH  
IRD  
LP

**BAGHOUSE ACRONYM**

MB, MB, MBT, MBW  
MTJ  
PJ  
PJD  
RF  
RJ  
RSD  
TJ

**BAGHOUSE NAME**

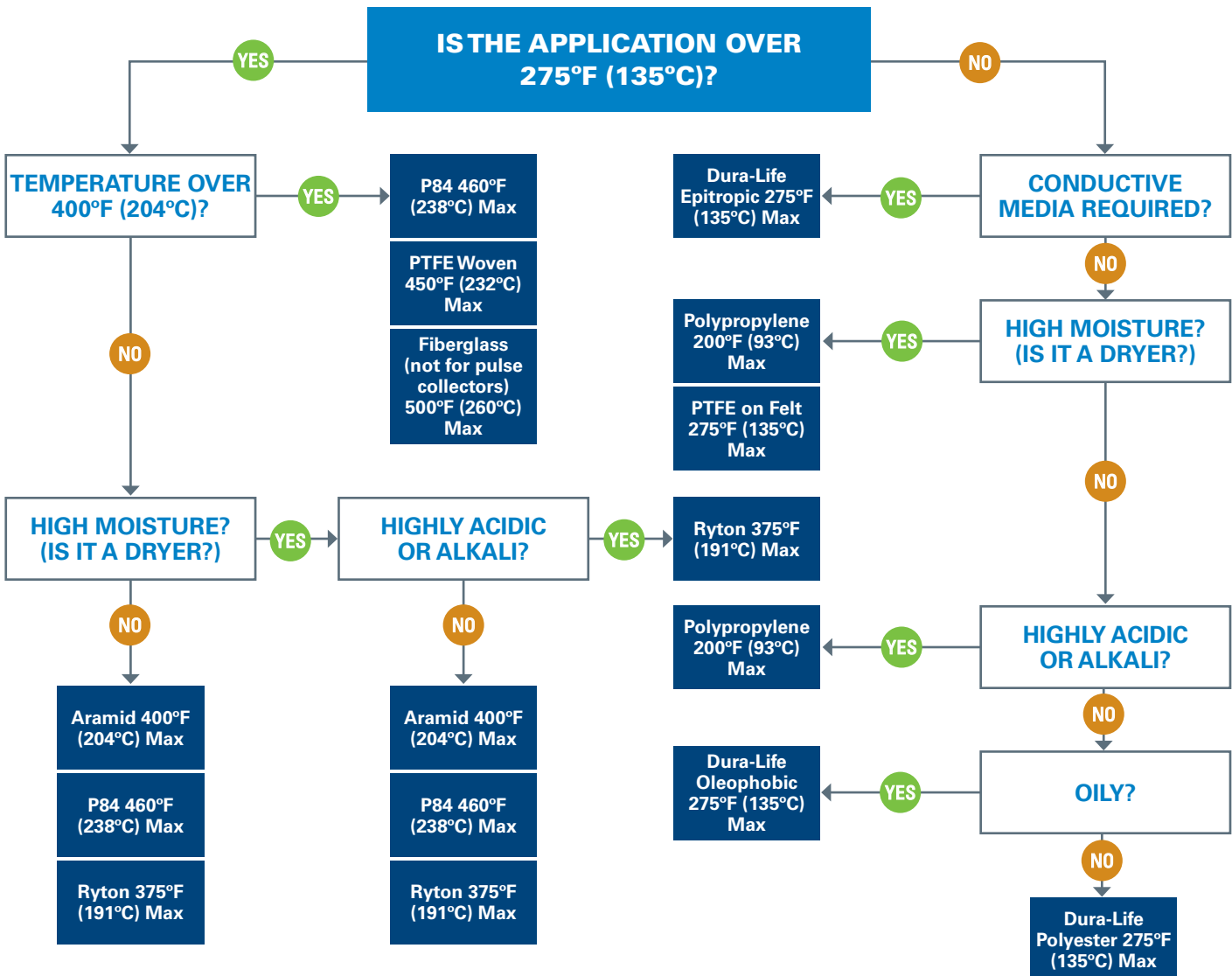
Modular Baghouse  
MTJ  
PJ  
PJD  
RFT, RFW, RA  
RJ  
RSD  
TJ

# DURA-LIFE DELIVERS MORE BAG FOR THE BUCK

Don't be fooled by the initial lower purchase price of competitive replacement bag filters. Dura-Life bags last longer than conventional polyester, reducing bag changeouts, replacement bag costs, downtime and maintenance time and expense.

Unique Dura-Life technology traps dust on the surface of the bag, allowing dust to be easily pulsed off during cleaning, which results in lower pressure drop and annual energy savings. Standard in all Donaldson Torit baghouses and available as replacement bags for all other brands of baghouses, Dura-Life delivers the best value to your bottom line.

## COMPETITIVE REPLACEMENT MEDIA SELECTION FOR PULSED BAGS



Items in bold denote the most logical choice. Dura-Life is intended as a replacement for glazed (aka mirror or eggshell) and sined polyester.



# UNPARALLELED SERVICE & SUPPORT

## HERE TO SERVE YOU

Providing technically advanced bag filters with the longest filtration life is just one of Donaldson Torit's distinctions. When it comes to customer support, no other filter bag manufacturer can match Donaldson Torit's technical expertise and commitment. Rely on Donaldson Torit to help you choose the best filters for your applications.

### Filter Selection

With the most extensive variety to choose from, Donaldson Torit offers the broadest selection of bag filters designed to meet the performance demands of specific applications

### Knowledgeable Support

Donaldson Torit aftermarket sales representatives help customers select the best bag filters for their application needs

### Quick Delivery

All in-stock Donaldson Torit made filters are shipped within 24 hours of order placement

### Dura-Life Availability

Dura-Life bags are now standard in all Donaldson Torit baghouse collectors. Dura-Life replacement bags are available for our baghouse collectors as well as other brands of collectors

### Easy Access

For all types of bag filters, call Donaldson Torit customer service at **800-365-1331**

## DURA-LIFE™ for baghouse collectors

- AZO®
- Buhler
- Carter Day
- DCE
- Flex-Kleen
- Golfetto
- Kice
- MAC
- MikroPul
- Murphy
- Pneumafil
- Steelcraft®
- Wheelabrator
- + Many others



To learn more about Dura-Life bag filters,  
Call **800-365-1331** or visit **DonaldsonTorit.com**

## Global Support

- Facilities in 37 countries
- 40 manufacturing plants and 14 distribution centers

## Leading Technology

- Over 1,000 engineers and scientists worldwide
- Broad range of innovative collectors and filters
- 100s of filter media formulations

## Experience and Service

- Technical expertise and support
- Ready-to-ship filters and parts within 24 hours
- 1,000,000+ dust, fume and mist collectors installed

Call Donaldson® Torit® to get cleaner air today:

**800-365-1331**

[DonaldsonTorit.com](http://DonaldsonTorit.com)



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### **EXACTLY WHAT YOU NEED.™**

**Bag Filters Brochure (06/12)**  
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