

MICRON RATED FELT FILTER BAGS

THE CLASSIC, SURE-WELD

PRODUCT HIGHLIGHTS

- **Hygienic, inside-out flow** contains all trapped impurities inside the filter
- **Superior solids holding** for reduced labor and disposal costs
- **Faster, easier bag changes** versus multiple cartridge replacements
- **Offered in a wide range of micron ratings** (0.5–200) and materials for maximum versatility
- **Engineered for robust compatibility** across acids, alkalis, oxidizers, solvents, and elevated temperatures

SURE WELD

- **Higher efficiencies** due to tighter seal tolerances
- **No thread**, which eliminates potential silicone contamination from this likely source
- **Puncture free overlap side seams** provide added strength and improves effluent consistency

CLASSIC

- **Uniform performance** batch-to-batch, job-after-job
- **Enhanced process uptime** and quality assurance
- **Seamless fit into standard housings** with a variety of ring and flange options

PRODUCT DESCRIPTION

Engineered for exceptional performance, the [Sure-Weld](#) Micron Rated Felt Filter Bag features our exclusive “Tri-Seal” P-flange—an innovation that surpasses traditional sewn snap ring and poly flange designs. By utilizing advanced welding methods tailored for needle-punched felts, we produce fully welded filter bags recognized for their superior strength and long-lasting durability.

Each [Sure-Weld](#) filter is constructed with an overlapping side seam, ensuring a smooth profile and eliminating the bulky seam commonly found on stitched bags. This seamless approach, combined with direct welding to our signature “Tri-Seal” P-flange, delivers unmatched seal integrity—significantly reducing bypass and guaranteeing more consistent filtration results. Choose [Sure-Weld](#) for reliable operation, smooth fit, and performance you can count on with every use. Embossing available.



MICRON RATINGS

Polypropylene - 0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200

Polyester - 0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200

Nomex - 1, 5, 10, other microns available on request

Nylon - Available on request

POLYPROPYLENE-CHEMICAL COMPATIBILITY**

TEMPERATURE	CHEMICAL	COMPATIBILITY
200 F	Acids	Excellent
200 F	Alkali	Excellent
200 F	Oxidizing Agents	Excellent
200 F	Solvents	Average

POLYESTER-CHEMICAL COMPATIBILITY**

TEMPERATURE	CHEMICAL	COMPATIBILITY
300 F	Weak Acids	Good
300 F	Strong Acids	Good
300 F	Weak Alkali	Poor
300 F	Strong Alkali	Poor
300 F	Solvents	Very Good
300 F	Petroleum Products	Very Good

*Not available in Sure-Weld

**Reflective of Filter Bag Material only. Please consult with your Application Engineer to verify specific chemical compatibility

ORDER OPTIONS

MATERIAL	MICRON RATINGS	FINISH	SIZE	RING	OPTION
SP Polypropylene Felt AP Polyester Felt HT *Nomex N *Nylon	SP 0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200 AP 0.5*, 1T, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200 HT 1, 5, 10, others avail able on request N Available on Request	S Singed P Plain B *Singed Both Sides C *Cerex Cover N *Nylon Mesh Cover	1 7" x 16" 2 7" x 32" 3 *4.08" x 8" 4 *4.08" x 14" 25 *4" x 9" 30 *4.118" x 10" 50 *4" x 21" 65 *4.118" x 22" *Not available in Sure-Weld	P Polypropylene P-Flange M Polypropylene M-Flange PER Polyester P-Flange MER Polyester M-Flange DS *Draw String S *Carbon Steel Ring SS *Stainless Steel Ring PR *Polypropylene Ring N *No Ring Z *Polypropylene Z-Flange** *Not available in Sure-Weld	WE Sure-Weld HS *Handle-Strap AS *Fully Stitched *Not available in Sure-Weld

