

TOPLIFE TPR

- High chemical compatibility
- High dirt holding capacity
- Available in several configurations
- Thermowelded construction up to 40"
- EC-listed materials for Food contact
- FDA-listed materials per CFR21
- Steamable and sanitizable



TOPLIFE TPR is manufactured with polypropylene. The filter media is obtained by winding around the internal core several polypropylene layers, having different porosity and permeability from external to internal; the outer section retains larger particles while the inner section provides filtration rating with efficiency of 99,98%. The different consistency of the layers allows to manufacture cartridges with filtration ratings larger than 10 microns.

TOPLIFE TPR with external cage is recommended in presence of pulsation flow or operating temperature above 50°C. The high chemical compatibility of the polypropylene allows the use both in industrial general applications and Food&Beverage applications; PH grade, prefluxed with non-pyrogenic water and with certification of quality, is available for pharmaceutical applications.

MATERIALS OF CONSTRUCTION

Filter media	polypropylene
Upstream supports	polypropylene
Downstream supports	polypropylene
Internal Core	polypropylene
External Cage	extruded polypropylene
End caps / Adapters	polypropylene

FOOD-SAFETY

TOPLIFE TPR filter elements materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

BIO-SAFETY

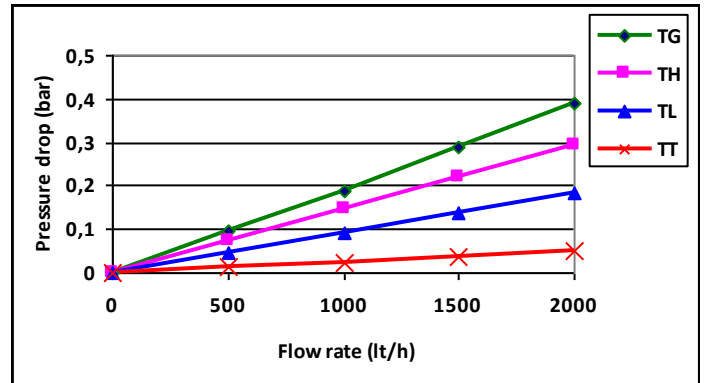
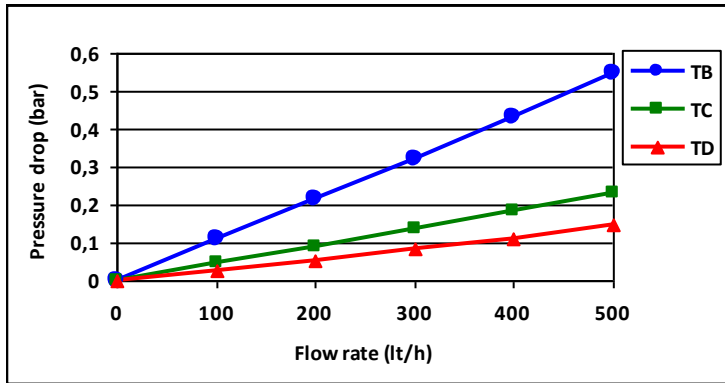
Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins (< 0,25 EU/ml).

OPERATING CONDITIONS

- max. continuous temperature	65 °C
- steam sterilization	cycles of 20 minutes at 121°C
- sanitization with hot water	80 °C max
- max. differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C

CODE	FILTRATION RATING (µm)	MAX. WATER FLOW RATE FOR 10" CARTRIDGE (l/h)
TB	0,6	150
TC	0,8	200
TD	1,0	350
TG	3,0	500
TH	5,0	700
TL	10,0	1100
TT	20,0	1500
TV	40,0	2000
TZ	50,0	2500
TK	70,0	3000
TX	90,0	3000

WATER FLOW RATE FOR 10" CARTRIDGE



TOPLIFE TPR ORDERING INFORMATION

TPR - 207 1 - TC - C - [] - []

END FITTING	CODE
DOE: double open end with flat gaskets.	200
DOE: double open end with thermobonded Polyetilene gaskets.	201
SOE: open end with (1) O-Ring 2.20. Blind end with flat top.	202
SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	203
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	207
SOE: open end with (2) O-Ring 2.222. Blind end with fin.	208
SOE: open end with (1) O-Ring. Blind end with fin.	209
SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	212

FILTRATION RATING	CODE
0,6 µm	TB
0,8 µm	TC
1,0 µm	TD
3,0 µm	TG
5,0 µm	TH
10,0 µm	TL
20,0 µm	TT
40,0 µm	TV
50,0 µm	TZ
70,0 µm	TK
90,0 µm	TX

CODE	NOMINAL LENGTH
1	10"
2	20"
3	30"
4	40"

CODE	PRODUCT GRADE
no code	General grade
PH	Preflused with non-pyrogenic water; Quality Certification in the box.

CODE	GASKET	END FITTING CODE
no code	EPDM	200 202
no code	Polyetilene	201
no code	Silicone	All the others
E	EPDM	
SSS	SILICONE	203-207-208-212 With AISI 316 stainless steel ring

CODE	DESCRIPTION
C	With external cage
Z	Without external cage

DS-TPR-582-UK-14

The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.

Bea Technologies Spa

Via Newton,4 -20016 Pero (MILANO) Italy
 Tel.+(39) 02 339271 / Fax+(39) 02 3390713
 mail:info@bea-italy.com
 web:www.bea-italy.com