

WellPro.Z* Depth Cartridge Filter

For Well Injection Applications with Z.Plex* Technology

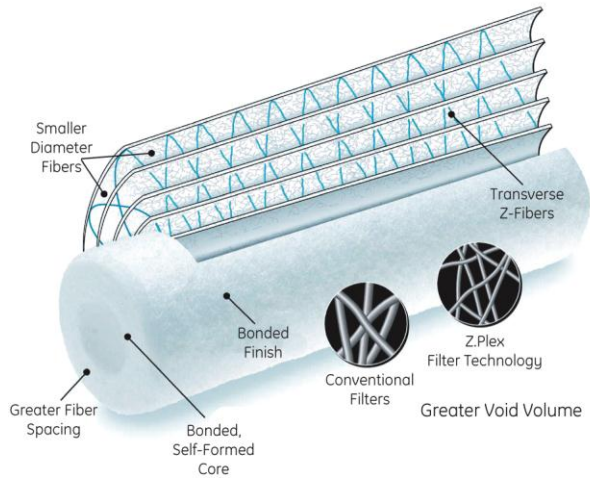


Figure 1: Z.Plex Filter Technology

Description and Use

WellPro.Z* is manufactured using patent pending Z.Plex filter technology (Figure 1) and is engineered for well injection, produced water disposal and other oil and gas applications. WellPro.Z's proprietary filter matrix provides unmatched performance in these applications.

- Up to twice the life of conventional depth filters
- Up to 50% lower pressure drop
- Up to 100% greater dirt holding capacity
- Superior protection of geologic strata
- Optimized exterior decreases premature loading
- Excellent temperature / oil resistance
- Provides lower total cost of filtration operations

Typical Applications

- Well injection
- Produced water filtration
- Water flood / enhanced oil recovery
- Brine filtration
- Sea water filtration

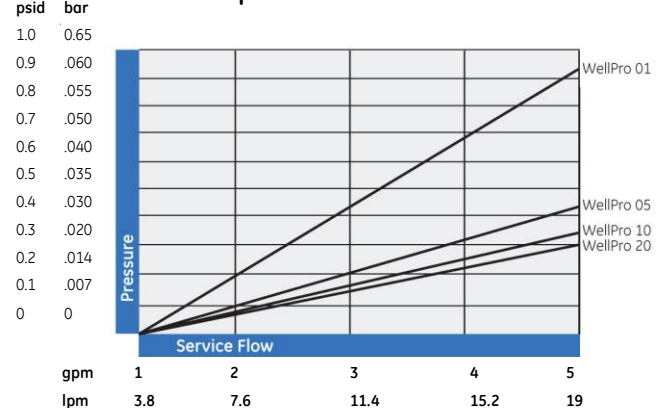
General Properties

WellPro.Z Filters are available with four pore size ratings. They are made of 100% polypropylene construction. Tables 1, 2 and 3 show further details on dimensions, flow rate and crush rate of the WellPro.Z.

Table 1: Dimensions

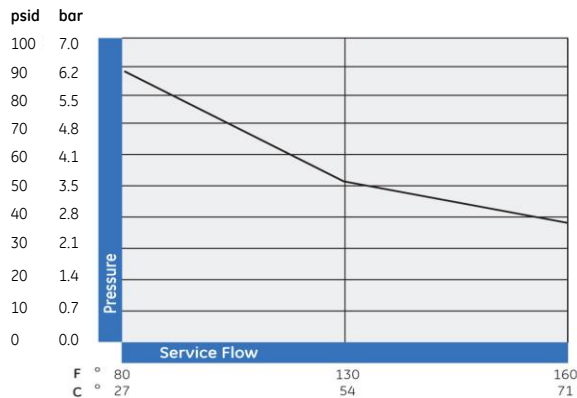
Nominal Outside Diameter	Nominal Inside Diameter
2.5" (6.4 cm)	1" (2.5 cm)

Table 2: WellPro.Zs psid vs. Flow Rate¹



Find a contact near you by visiting www.ge.com/water and clicking on "Contact Us".
* Trademark of General Electric Company; may be registered in one or more countries.
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Table 3: Temperature vs. Crush Strength¹



¹Data based on 10" length filter

Micron Ratings, Lengths and End Adapters

- Micron ratings: 1, 5, 10 and 20 micron
- Standard lengths fit most housings – custom lengths are also available
- Wide range of end adapters including self-sealing spring, and 222 o-rings.

Table 4: Ordering Information

Type	Micron Rating (µm)	Cartridge Length Inches (cm)	End #1 Adapter	End #2 Adapter	Material
WP.Z	01 = 1	19 ½ (49.5)	E = 222 O-Ring	K = Self Seal Spring	O-Rings
	05 = 5	20 (50.8)	X = Standard Plain End (no gasket)	H = Fin	S = Silicone
I.D. = 1.0 O.D. = 2.5	10 = 10	29 (74.3)		S = Solid End	E = EPDM
	20 = 20	30 (76.2)		X = Standard Plain End (no gasket)	V = Viton ²
		40 (101.6)			

²Viton is a registered trademark of DuPont.

Ordering Information

If you are ordering WellPro.Zs filters with standard ends (with no adapter on either end), select one designation from each of the first three columns. Your Product Order Number will look like this: WP.Zs 05-40. If you are ordering WellPro.Zs with end adapters, select designations from all applicable columns. Your Product Order Number will look like this: WP.Zs 05-40 XK. See further ordering details in Table 4.

Additional Information

WellPro.Zs cartridge filters are made from thermally bonded fibers of polypropylene. GE certifies that it uses no resin binders, lubricants, antistatic or re-release agents, in the manufacture of these filter cartridges. The resin used for manufacturing the filter media meet the food contact requirements of the U.S. FDA 21CFR 177.1520. WellPro.Zs cartridge filters meet the safety requirements of Article 3 of the EU Framework Regulation No. 1935/2004/EC and may be used as intended in all of the EU Member states in full compliance with the EU Plastics Regulation No. 10/2011. WellPro.Zs cartridge filters meet the criteria for USP class VI-121'C Plastics.

GE filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your GE representative for more information.

