

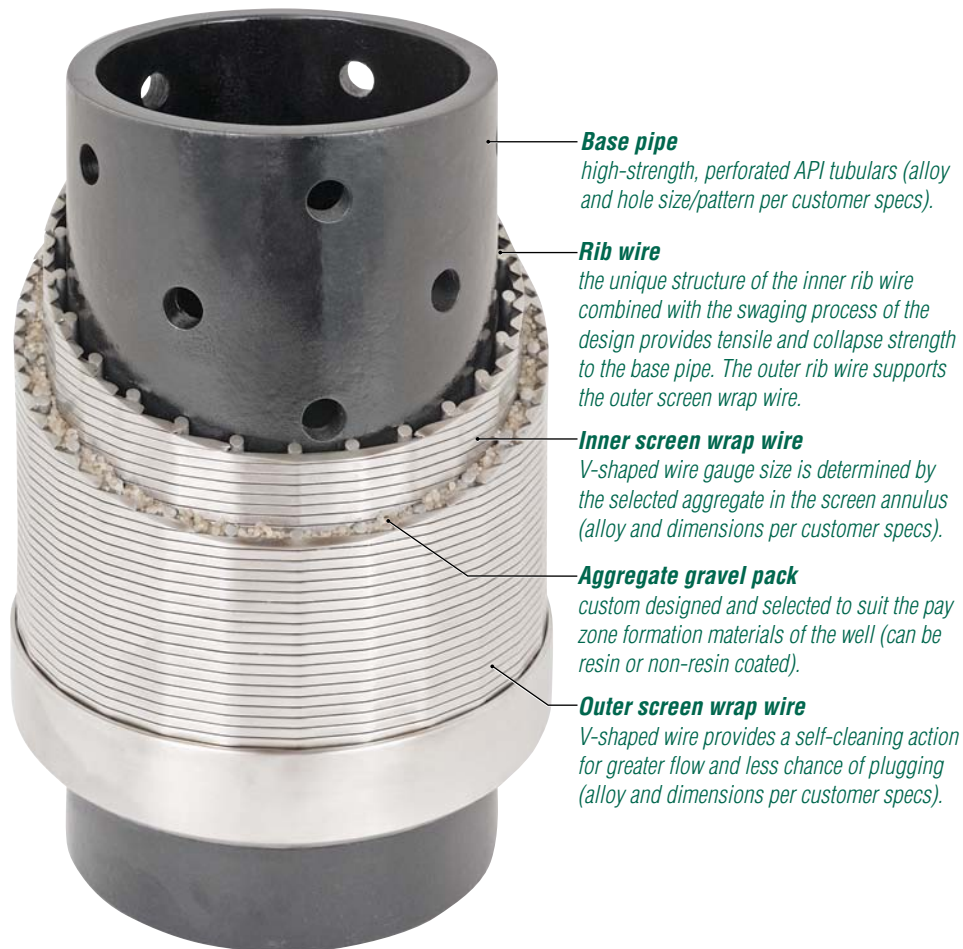
DUAL PRE-PACK™

Pipe-based, wire-wrapped sand control screen

The Dual Pre-Pack pipe-based, wire-wrapped, all-welded screen eliminates the need to under-ream and gravel pack a well. It consists of a base pipe with two concentric V-shaped wire screens and a 0.25-in. thick (or thicker if required) integral gravel pack. The gauge of the inner and outer jackets is determined by the size and type of gravel pack used. The size and type of gravel pack used is dependent on the formation sands that are to be controlled. The aggregate gravel

pack can be resin or non-resin coated. The dual screen provides built-in sand control when gravel packing is not feasible.

The Dual Pre-Pack screen should be considered for shallow wells with expected low production rates and thin pay zones. In well-sorted formation sands, other applications are water injection or steam flood workover wells.



Applications

- Built-in sand control when gravel packing is not feasible or too costly
- Shallow wells with thin pay zones
- Numerous workover applications
- Cased or open hole horizontal completions.

ALLOY SCREEN WORKS

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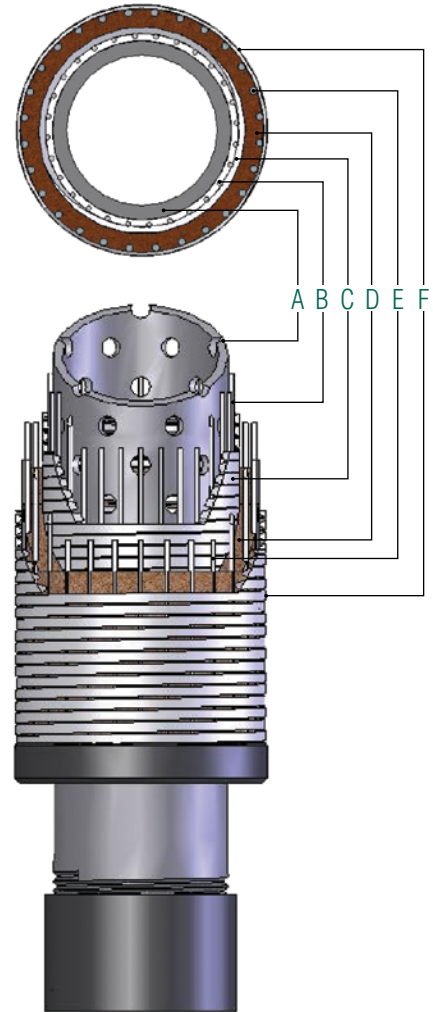
Pipe-based, wire-wrapped sand control screen

Advantages

- Economical solution when gravel packing is not feasible
- Eliminates the need to under-ream and gravel pack a well
- Ideal for low budget workover programs
- Choice of wrap wire and base pipe alloys as well as type and thickness of aggregate gravel pack allows for custom engineering to match specific production environments
- Purpose built for oil, gas or water producing wells and injectors, as well as waterflood, steamflood and disposal wells
- More effective than slotted liners.

Base Pipe		Gravel Pack	Perforations		Screen	
OD (in.)	Weight (lb/ft)	Thickness (in.)	Size (in.)	Holes/ft	OD (in.)	Cylinder Area (sq in./ft)
1.900	2.75	0.250	3/8	84	3.102	166.88
2.063	3.25	0.250	3/8	84	3.265	123.03
2.375	4.60	0.250	3/8	96	3.577	134.78
2.875	6.40	0.250	3/8	108	4.077	153.62
3.500	9.20	0.250	3/8	132	4.702	177.17
4.000	9.50	0.250	3/8	144	5.202	196.01
4.500	11.60	0.250	3/8	156	5.702	214.85
5.000	15.00	0.250	3/8	168	6.202	233.69

- A. Base pipe (alloy and hole size/pattern per customer specs)
- B. Rib wire (to specs)
- C. Inner screen wrap wire (alloy and dimensions per customer specs)
- D. Aggregate gravel pack can be resin or non-resin coated
- E. Rib wire (to specs)
- F. Outer screen wrap wire jacket +/-0.016 (alloy and dimensions per customer specs)



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18102 East Hardy Road
Houston, Texas 77073 USA
Phone: 281.233.0214
Toll-free: 800.577.5068
Fax: 281.233.0487
Email: info@alloyscreenworks.com
www.alloyscreenworks.com

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