



The **Armouring Screen Technology**

XT and AT *EaziGoFlo*® Sand Screen

Compendium

General System Advantages

***EaziGoFlo*® Sand Screen - Installation**

The strength of the screen body is comparable to ordinary API casing. The screen is tested to confirm collapse and tensile strength as well as torque moment

The Sand Screen can be handled and installed like a pipe. No specific caution is requested.

The Sand Screen is outside and inside flush over its entire length. The outside Diameter corresponds the coupling of the equivalent size casing.

The I.D. corresponds to the equivalent size casing. The screen rods act like rails and allow low friction operations inside the screen.

***EaziGoFlo*® Sand Screen - Design**

The V-slot opening of the screen allows direct and continuous contact with the formation. The Screen involves just two main elements with more effective free area

- The wrapping or surface profile wire, giving the screen the collapse strength
- The support rods giving the screen with the cross-sectional area the tensile and compressive strength
- Fusion welded with each other at each point of contact to each other

***EaziGoFlo*® Sand Screen - Inflow Conditions**

Due to the high permeability of the Sand Screen and its slot design the flow out of the formation into the screen is not forced to turbulences by restrictions. The flow remains in stabilized and quieter conditions, reduces erosion on the screen surface, even with the basic XT Screen.

Stabilized producing conditions:

- Flow capacity through *EaziGoFlo*® Sand Screen increased by 19 %
- Pressure Drop without base pipe reduced by 15 %

Hence the scale deposition in the reservoir section will be reduced strongly.

Exceptional resistance to wear: The higher the hardness, the lower the erosion



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***EaziGoFlo*® Sand Screen - Slot Design**

Sharp edges of the V-wire will keep the bridge building of the formation outside the slot openings. Hence the slots will stay open during production.

Based upon the formation sieve analyses the screen slot opening will be tailor-made designed. Recommendations in selecting the right slot opening will be made and the formation sand can be physically tested against the screen.

***EaziGoFlo*® Sand Screen - Material Selection**

The Sand Screen is made of one single Stainless-Steel material to prevent corrosion. The combination of ferrites and austenite material is avoided to prevent bimetal corrosion which may occur after water coning.

Selection of the profile material used in the screen structure optimizes mechanical strength.

***AT EaziGoFlo*® Sand Screen - The Enhancement**

The proven Wire Wrapped Screen advantages listed above as the basic ***XT EaziGoFlo*® Sand Screen** will be enhanced with the smart screen solution of the ***AT EaziGoFlo*® Sand Screen**

Armouring Technology - Additionally Advantages

- The Hardening phase will make the Screen resistant against High-Speed Erosion and Corrosion. 8 times more
- Full coverage of the Hardening phase out- and inside screen
- The Hardening phase will take place inside the material – NO COATING
- The Hardening phase will provide a smoother surface of the Screen, less cavitation. Hence, less Scale effect
- Very competitive pricing. After clients report the investment will pay-off in less than a month!

Exceptional resistance to wear: The higher the hardness, the lower the erosion