



HYBRID CHEMICAL  
TECHNOLOGIES

# HIGH VISCOSITY FRICTION REDUCER

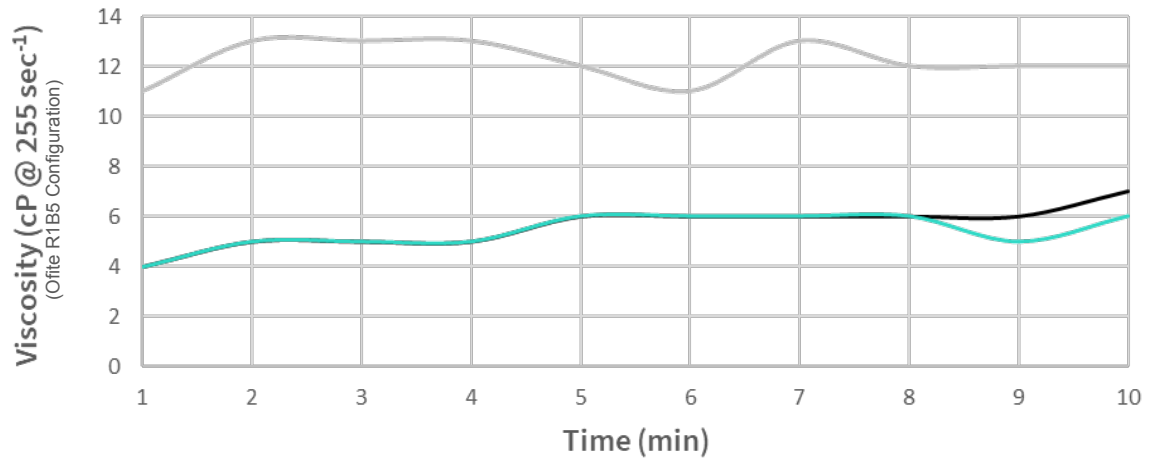
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## HVFR-602HS

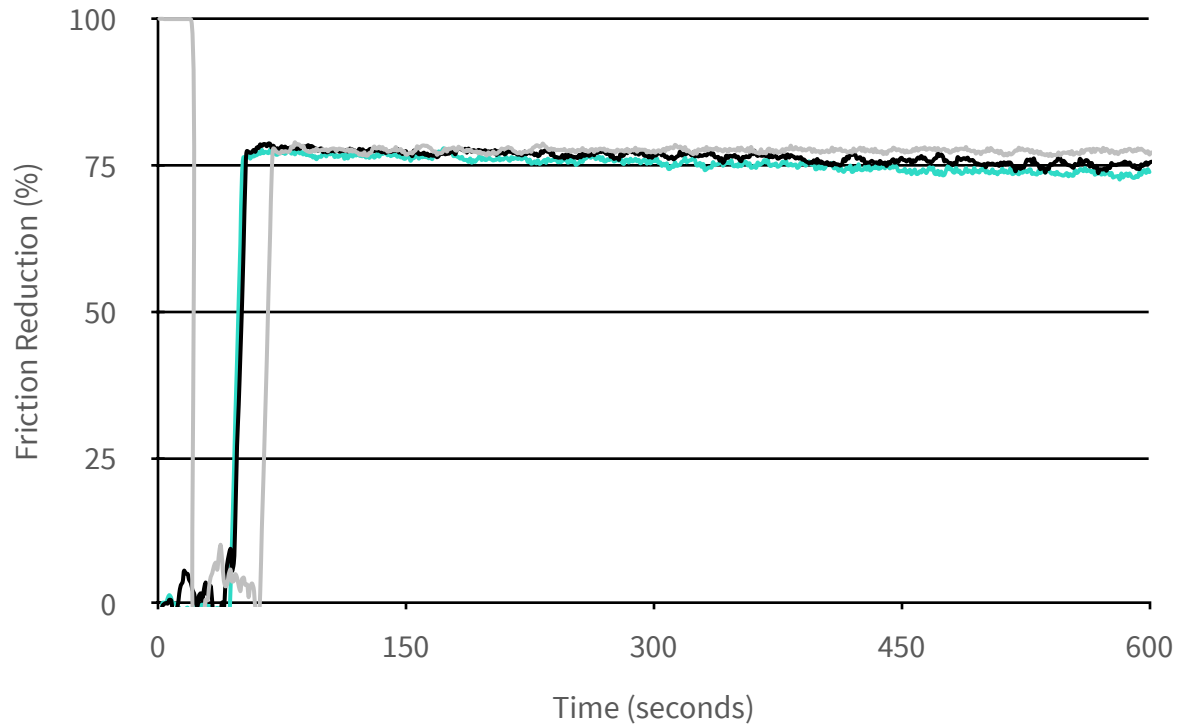
HVFR-602HS is the premier cationic, high molecular weight polyacrylamide friction reducer for hydraulic fracturing operations. This product excels in high salinity, high divalent produced fluids, and brine, allowing for water recycling and avoiding disposal costs. HVFR-602HS is available as a powder or as a liquid slurry and is appropriate for use in almost any source water.

- Fresh
- KCl Brine
- Modified API Brine

### Hydration Profile (1.5 kg/m<sup>3</sup>)



### Flowloop Testing (0.1 kg/m<sup>3</sup>)



Brine Compositions		
Salt (% w/v)	KCl Brine	Modified API Brine
NaCl	-	8.0
KCl	3.0	-
CaCl <sub>2</sub>	-	2.0
Salinity (ppm)	30,000	100,000



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