

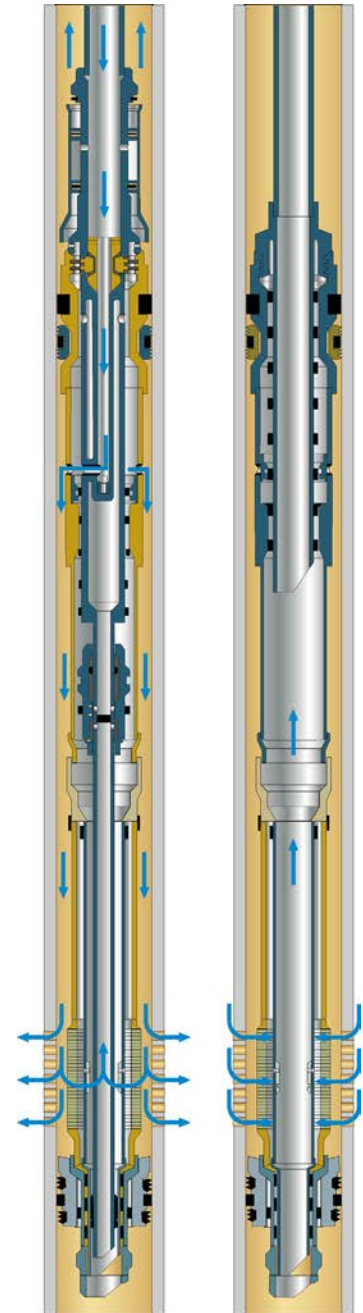
ISO Isolation System

Superior Completion Services' patented **ISO Isolation System** eliminates fluid loss to the formation after a gravel or frac-pack treatment by placing an internal isolation string across a production screen. The system provides selective production capabilities controlled by a mechanically or hydraulically actuated sleeve placed in the isolation string.

APPLICATIONS

- Zonal isolation
- Single or selective multizone completions
- Fluid loss control
- Selective production
- Sand control
- Shallow to deepwater wells
- Vertical or highly deviated wells

- Eliminates post-treatment fluid loss and aids in well control
- Provides selective production capability
- All installation is done at the surface
- Gravel pack operations are not compromised
- Post-treatment fluid loss pills are not required
- No extra trips to install isolation assemblies are needed
- Allows the integrity of the assembly to be pressure tested prior to coming out of the wellbore with service tools
- Provides bidirectional zonal isolation



ISO Isolation System

TECHNICAL DATA

Available in tubing sizes from 2 1/16 to 4 1/2 in. (52.9 to 114.3 mm) isolation tubing sizes. Other sizes available upon request.

ISO Isolation System																	
Casing OD		Packer Bore		Screen Size				Isolation String						Screen Wrapped			
				Base Pipe		Jacket OD		Pipe OD		MSV Size		MSV ID		Base Pipe		Jacket OD	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
5.00	127.0	2.69	68.3	2.88	73.0	3.57	90.7	52.4	2.06	2.06	52.4	1.63	41.3	2.38	60.3	3.06	77.8
5.50	139.0	2.69	68.3	2.88	73.0	3.57	90.7	2.06	52.4	2.06	52.4	1.63	41.3	2.88	73.0	3.57	90.7
7.00	177.83	3.25-4.00	82.6-101.6	4.00	101.6	4.70	119.3	2.38	60.3	2.38	60.3	1.88	47.6	2.88	73.0	4.50	114.3
7.63	193.7	3.25-4.00	82.6-101.6	4.50	114.3	5.20	132.0	2.88	73.0	2.88	73.0	2.31	58.5	3.50	88.9	5.00	127.0
9.63	244.5	3.25-6.00	82.6-152.4	5.50	139.7	6.20	157.4	3.50	88.9	3.50	88.9	2.81	71.5	4.50	114.3	5.50	139.7

REFERENCES

- Annular flow valve data sheet
- Multi-service valve data sheet
- Pressure-actuated circulating valve data sheet
- Radial flow valve data sheet