

ACCUSTEAM®

INJECTION VALVE



OVERVIEW

Interra Energy's AccuSteam® Injection Valve provides maximum steam conformance in steam assisted gravity drainage (SAGD) applications to optimize steam-oil ratios (SOR). Multiple AccuSteam Valves can be placed throughout the injection string to enable customizable inflow control.

In addition, the AccuSteam Injection System provides open and close capability throughout the life of the well. Interventions on coiled tubing or jointed pipe provide the ability to manipulate the internal sleeve position of the AccuSteam Valve, enabling optimized steam injection and oil production.

OPERATION

The AccuSteam Valve is deployed in the lateral section of the injection string, providing uniform steam diversion and maximizing reservoir contact. Pressure drop throughout the lateral can be manipulated through custom nozzle selection.

Interra Energy's AccuShift™ Thermal Shifting Tool is run into the production well on coiled tubing or jointed pipe and auto-locates in the internal sleeve of the production valve. The sleeve is then mechanically shifted into an open or closed position.

SPECIFICATIONS

AccuSteam						
OD in / mm	Weight		OD		Sleeve ID	
	lb/ft	kg/m	in	mm	in	mm
3.5 / 88.9	9.2	13.69	4.820	122.43	2.812	71.42
4.5 / 114.3	11.6	17.26	5.750	146.05	3.875	98.43
6.63 / 168.3	20.0	29.76	7.500	190.50	5.500	139.7

FEATURES & BENEFITS

- Flow area of each valve is customizable through internal nozzle configuration.
- Open and close capabilities provide injection control.
- Interra Energy's AccuShift Thermal Shifting Tool allows for unlimited sleeve shifts on a single run.
- Built-in tension mechanism to identify shifting of sleeve from surface.
- Proprietary nozzle design reduces plugging of ports.
- Full inside diameter (ID) design allows for future interventions throughout the life of the well.
- All tools are equipped with premium coatings and seals to ensure longevity in the well.