

Chip Identification Sheet

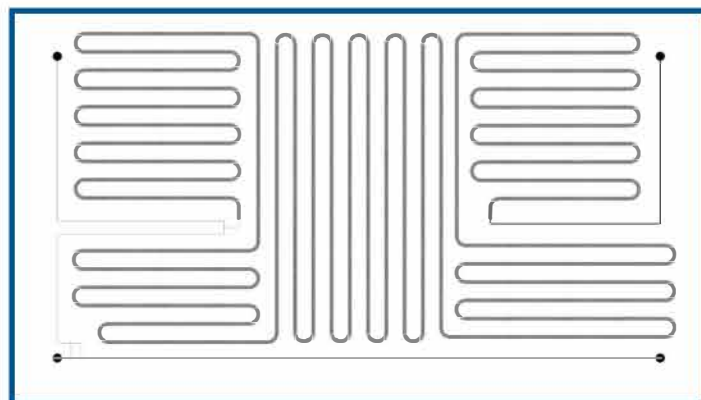
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MMP S100 Chip

Minimum Miscibility Pressure Chip Micro Slim Tube, 33.5% Porosity

The MMP S100 Chip, coupled with our Minimum Miscibility Pressure test procedure, enables fast determination of the miscibility conditions for a gas flooding operation. MMP measurements provide the lowest pressure at which the reservoir fluid and an injected fluid reach the miscibility condition at reservoir temperature. This critical measurement helps avoid unwanted early gas breakthrough, which would reduce oil recovery. The chip and the test procedure can also be used to determine the Minimum Miscibility Enrichment (MME).



Chip Profile	
Dimensions	38 x 21 x 2.75 mm
Components	Silicon Base 1.00 mm Glass 1.75 mm
Supports	
Chip Holder	Liquid Confined
Ports	4
Channels	
Gas Inlets	10 μm wide 1.5 μm deep
Oil Inlets	5 μm wide 50 μm deep

Serpentine Porous Media Channels	
Porosity	33.5%
Dimensions	200 μm wide
	50 μm deep
	57 cm long

Fluid Analysis Applications

MMP

SKU 30008