

SAGD Walnut Shell Filter

INDUSTRIAL FILTRATION | SAGD WATER TREATMENT | OIL WATER FILTER

Cenovus SAGD Filters

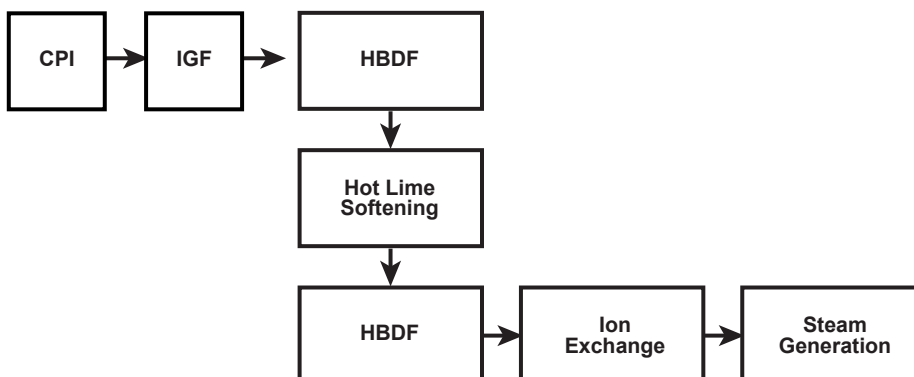
PRODUCT USED:

**Deep Bed Filter
Walnut Shell Media Filter**



END USER:	Cenovus Energy
LOCATION:	Calgary, Alberta
UNITS: PHASE 1	(2) FDB-78P Filters & (2) FDB-113P Filters
UNITS: PHASE 1.5	(1) FDB-113P Filter & (1) FDB-113P Filter
FLOW RATE: OIL	2,600 gpm / 90,000 BPD / 590 m3/hr
FLOW RATE:	3,450 gpm / 120,000 BPD / 780 m3/hr
PROCESS:	Softening prior to ion exchange, post lime softening

SAGD WATER TREATMENT-PROCESS FLOW DIAGRAM



MORE INFO

The SAGD or steam assisted gravity drainage process has become a popular oil production method in Alberta.

After oil is produced, the treatment process begins with electrostatic dehydration, high efficiency gravity separation, and floatation.

The Deep Bed Filter is then implemented in the Oil Removal step (ORF), prior to lime softening, and the Softening step (After Filter), post lime softening.

At the Foster Creek site, the oil water filter influent is

between 100 ppm and 300 ppm with an effluent less than 3 ppm oil and solids.

The softener is then used for solids removal and polishing before ion exchange. The softener effluent is consistently less than 1 ppm TSS.

Using these SAGD water treatment units in both steps continues to be a great option for oil producers in Canada.

Talk to a filtration expert to see if the Deep Bed Filter with Walnut shell media is right for your manufacturing process, 248-427-9090 .