

PROCESS EQUIPMENT SPECIFICATIONROTARY VALVEItem No. 205

<u>Plant</u>	DSPP Extension
<u>Title</u>	Contivac Discharge Valve
<u>Duty</u>	To remove solid product from the Contivac Reactor
<u>Type</u>	Rotary Valve
<u>Size</u>	550 kg DSPP
<u>Recommended Supplier</u>	Buss Ltd., Basle, Switzerland.

OPERATING CONDITIONS

<u>Solids handled</u>	0 - 550 kg/h DSPP powder
<u>Temperature</u>	230°C
<u>Pressure</u>	atmospheric
<u>Solids Density</u>	1100 kg/m ³ (69 lb/cu ft)

DESIGN CONDITIONS

<u>Maximum Operating Temperature</u>	250°C
<u>Material of Construction</u>	316 Stainless Steel
<u>Lagging</u>	Required

REMARKS:

PROCESS EQUIPMENT SPECIFICATION

DISENTRAINER

Item No. 208

Plant DSPP Extension

Title Solids Knock-out Pipe

Duty To provide volume for solids de-entrainment from vapour leaving Contivac Reactor.

Type Open pipe section

Recommended Supplier Buss Ltd., Basle, Switzerland

OPERATING CONDITIONS

Fluids Handled 3- kg/h steam
3/4 kg/h air
small quantity of DSPP/MSP powder

Temperature of Vapour 110°C

Pressure 0.92 bar (700 mm Hg.abs)

DESIGN CONDITIONS

Diameter same area as exit from Contivac

Height 2 m (6 ft)

Vented to ejector 209

Connections inlet from Contivac
65 mm (2.5 in.) to ejector 209

Instruments 208/TI/1 Temperature indicator

Lagging Required to prevent internal condensation.