



**Begg Cousland**

**World Class Filtration Solutions**



**Industrial Air Pollution  
Control Equipment**

**Gas Cleaning for  
Industrial Processes**

**Separation Equipment for Oil ,  
Gas & (Petro)Chemical Industries**

## Begg Cousland Filtration Technology

Begg Cousland have over 50 years of experience in the design, manufacturing and installation of filters for removal of liquid particles from gas flows. The techniques required to ensure we meet the guaranteed efficiency and pressure drop, as well as achieving the maximum filter life, enables us to design and offer you the optimum filter solution for your needs.

### 'BECOVANE' Chevron Droplet Separators.

**Duty :** Removal of large, mechanically generated droplets

**Typical Applications :**

Gas Scrubbers  
Reactor Tanks  
Droplet Separators  
KO Drums

**Typical Styles :**

STV Standard  
DPV Double Pocket

**Typical Industries :**

Phosphate Fertilizers  
Oil Refineries  
Gas Plants  
(Petro)chemicals  
Pulp & Paper

**Typical Materials :**

Stainless Steel  
Alloy 20 / 904L  
Polypropylene  
PVDF



### 'BECOIL' Knitted Wire Demisters

**Duty :** Removal of small droplets

**Typical Applications :**

Gas Scrubbers  
Reactor Vessels  
KO Drums  
Air Drying Towers

**Typical Styles :**

H – 192 kg/m<sup>3</sup>  
SH – 144 kg/m<sup>3</sup>  
L – 112 kg/m<sup>3</sup>  
UL – 80 kg/m<sup>3</sup>

**Typical Industries :**

Sulphuric Acid  
Nitrogen Fertilisers  
Oil Refineries  
Gas Plants  
(Petro)chemicals  
Pharmaceuticals  
Water Desalination

**Typical Materials :**

Stainless Steel  
Alloy 20  
Monel  
Polypropylene  
ETFE



### 'BECONE' Knitted Mesh Coalescers

**Duty :** Removal of mist particles, in co-knitted fibre + wire

**Typical Applications :**

Drying Towers  
Fume System Prefilters  
Liquid-Liquid Separation

**Typical Styles :**

H – High density  
SH – Low Density

**Typical Industries :**

Sulphuric Acid  
Oil Refineries  
Gas Plants  
(Petro)chemicals

**Typical Materials :**

Stainless Steel  
Alloy 20  
Monel  
Polypropylene



### 'BECOFIL' Candle Filter Mist Eliminators

**Duty :** Removal of chemically/thermally generated sub-micron mist

**Typical Applications :**

Drying Towers  
Absorbing Towers  
Prilling Towers  
Organic Fume Systems

**Typical Styles :**

TGW15 – High Efficiency  
B14W – High Efficiency  
C14 – High Efficiency  
G25 – High Velocity

**Typical Industries :**

Sulphuric Acid  
Nitrogen Fertilizer  
Chlorine & HCl  
(Petro)chemicals  
ChlorAlkali

**Typical Materials :**

Stainless Steel  
Alloy 20  
Monel  
Polypropylene



## Begg Cousland Gas Cleaning & Separation Technology

Begg Cousland have developed leading edge fume and gas cleaning technologies to add to the range of conventional scrubbers offered. Also supplied are package systems.

In association with Benvitec Environment we use their BlueFil<sup>®</sup> meshes in many Fertilizer process emission scrubbers

### BLUEFIL<sup>®</sup> Mist Elimination & Scrubbing Mesh

**Duty :** Removal of liquid particles, dusts and gas scrubbing

**Typical Applications :**

Gas Scrubbers  
Reactor Vessels  
Prilling Towers  
Granulators  
Fume Abatement

**Typical Styles :**

MX095  
MX094  
MX040  
MX020

**Typical Industries :**

Sulphuric Acid  
Nitrogen Fertilisers  
Phosphate Fertilizers  
Chrome Plating  
Electronics

**Typical Materials :**

Polypropylene  
ETFE  
PFA  
PET



### 'BECOFLEX' Rotary Brush & Gas Scrubbers

**Duty :** Removal of solids and contaminant gases

**Typical Applications :**

CTA/PTA Silo Vents  
Tank Vents  
Granulators  
NH<sub>3</sub> / HCl  
SO<sub>2</sub> / SO<sub>3</sub>

**Typical Styles :**

BF Becoflex  
BFCF Becoflex  
Venturi  
Packed Bed

**Typical Industries :**

PTA-Polyester  
Nitrogen Fertilisers  
Pharmaceuticals  
Electronics  
Phosphate Fertilizers

**Typical Materials :**

FRP  
Polypropylene  
Stainless Steel  
Rubber Lined CS



### 'BECOPHASE' Liquid-Liquid Coalescer Separators **Duty :** Separation of 2 liquid phase emulsions

**Typical Applications :**

Oil from Water  
Water from Oil  
Amines from Oil

**Typical Styles :**

Knitted Wire Pack  
Knitted Wire + Fibre Pack  
Cartridge Cylinders  
BlueFil Mesh Pack

**Typical Industries :**

Oil Platforms  
Oil Refineries  
(Petro)chemicals

**Typical Materials :**

Stainless Steel  
Alloy 20



### 'BEGG COUSLAND' Filter Systems & Internals

**Duty :** Removal of organic and other process fumes

**Typical Applications :**

PVC Coating Ovens  
Organic/Oil Fumes  
Prilling Towers  
Granulators  
HCl Fumes

**Typical Internals :**

Inlet Diffusers  
Plate Packs  
Cyclones  
Random Packings

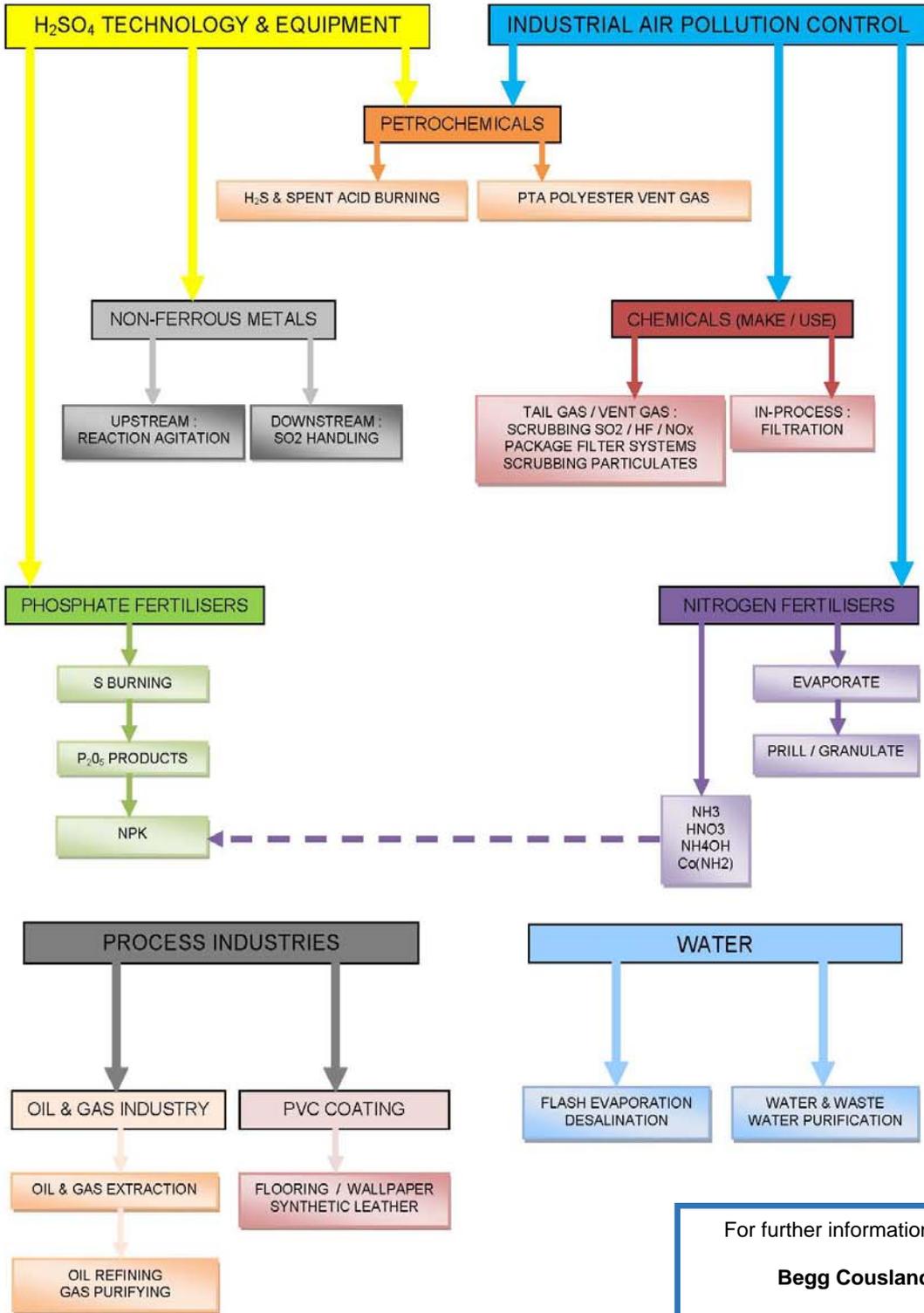
**Typical Industries :**

Synthetic Leather  
PVC Flooring  
Synthetic Fibres  
TiO<sub>2</sub> Paint Pigment

**Typical Materials :**

Stainless Steel  
Carbon Steel  
Ceramic  
Polypropylene





For further information, please contact us at

**Begg Cousland Envirotec Ltd.**

205 White Studios, 62 Templeton Street,

Glasgow G40 1DA

United Kingdom



Tel + 44 141 556 2289

Fax + 44 141 550 1653

E-mail : [info@bcenvirotec.com](mailto:info@bcenvirotec.com)

Website : [www.beggcousland.com](http://www.beggcousland.com)