



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/m³
SH – 144 kg/m³
L – 112 kg/m³
UL – 80 kg/m³

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[®] meshes in many Fertilizer process emission scrubbers

BLUEFIL[®] 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
NH₃ / HCl
SO₂ / SO₃

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 :

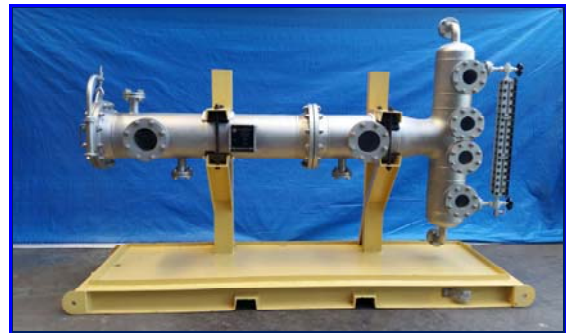
Knitted Wire Pack
Knitted Wire + Fibre Pack
Cartridge Cylinders
BlueFil Mesh Pack

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

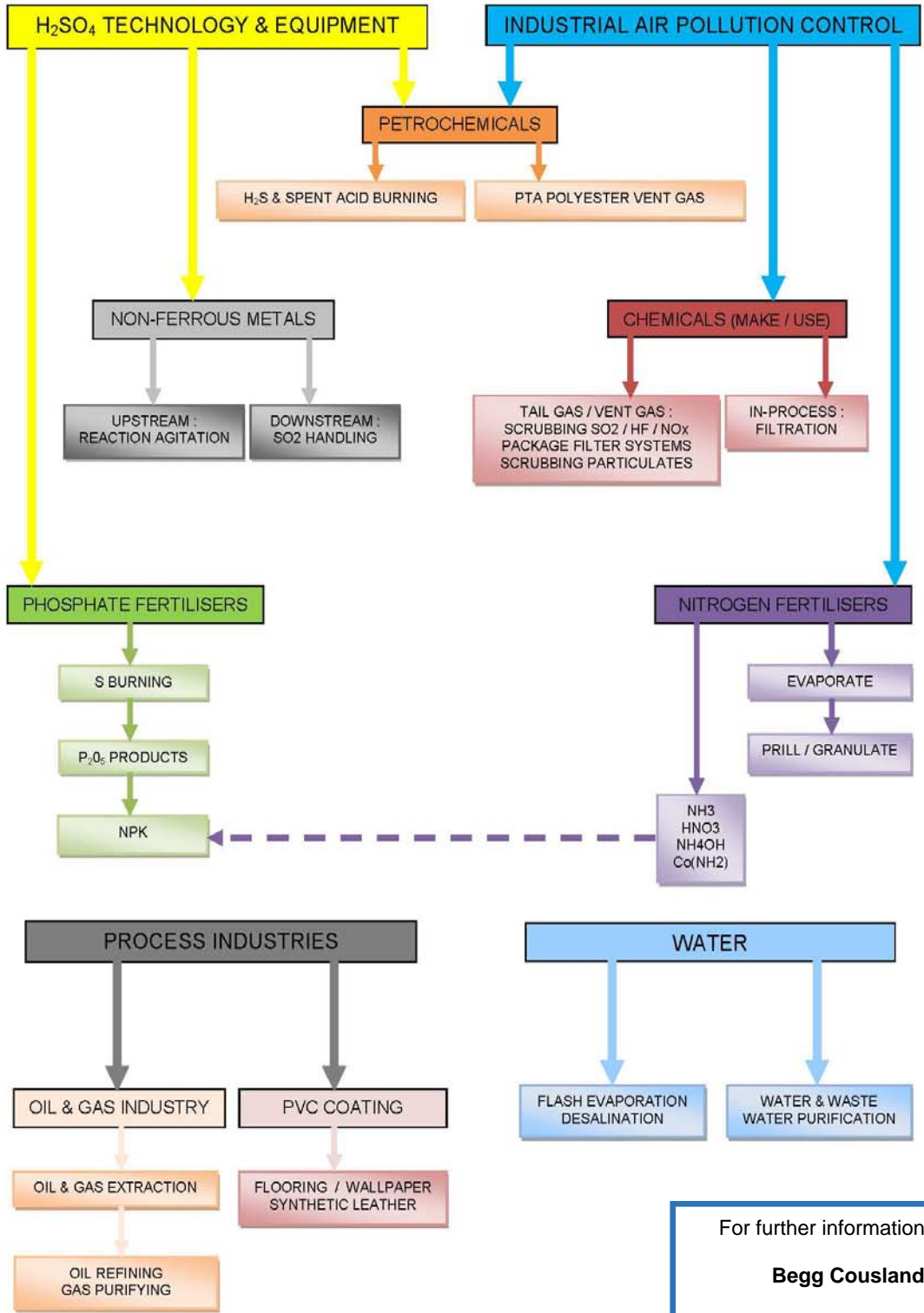
Typical Industries :

Synthetic Leather
PVC Flooring
Synthetic Fibres
TiO₂ Paint Pigment

Typical Materials :

Stainless Steel
Carbon Steel
Ceramic
Polypropylene





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