SERIES 85, 88, 90
SMALL VOLUME
GAS FILTERS & FILTER/SEPARATORS
ENGINEERED FILTRATION TECHNOLOGIES
The Series 85 Filter/Separator is a two stage unit. The first stage employs PEACH® PCHG filter-coalescing elements. These elements remove the solids contamination and coalesce any entrained liquid droplets many times their original size. The coalesced liquid is then removed in the second stage high efficiency vane mist eliminator and collected in the liquid sump to be drained. These units are capable of removing solids and liquid particles one micron and larger when operated within 10% and 100% of their rated capacity.

The Series 85 Offshore is designed specifically for the offshore industry to remove 98% liquid and solid contaminant particles, such as hydrocarbon liquids, dirt, rust and pipeline scale from natural gas fuel in low flow applications.
The Series 90 is designed for filtering dry gas or air streams. These units are extremely useful in removing desiccant fines, pipe scale and other solid contaminants one micron and larger. Employing single stage filtration and capable of utilizing a number of different element styles, it is a versatile performer.

SERIES 85 & 90 ARE IDEAL FOR:
- Fuel gas for large engines
- Fuel gas for large boilers
- Instrument air supply
- Fuel gas for direct fired heaters
- Supply gas for automatic control equipment
- Protection of valves and meters

CONVERSION CHART

1. If vapor phase is other than natural gas of 0.65 specific gravity at 60° F and 14.7 PSIA, correct to these conditions using the PECO Conversion Chart on top left hand corner of this sheet as follows:
   - Find the maximum operating temperature on the horizontal scale.
   - Follow temperature line vertically until it intersects with the specific gravity line. The correction factor is then found horizontally to the right of the intersection.
2. Multiply the flow rate (SCFH) by the correction factor.
3. Determine PECO Filter-Sep or Filter required by entering sizing chart at left at minimum operating pressure. Move to right to intersection with the corrected maximum gas flow line. The PECO Filter-Sep or Filter required is shown by the slanted line to the right of the intersection of the operating pressure and corrected maximum gas flow lines. The Sizing is based upon a maximum pressure drop of 60” water column across the entire unit.
The Series 88 is designed for general process gas applications where a compact, high pressure vessel is required.

88 Conversion Chart

SERIES 88 MATERIALS OF CONSTRUCTION
Vessel ____________ Carbon Steel
Cover ____________ Carbon Steel
Gasket ____________ Buna-N
Blowdown Plug ________ Carbon Steel
Element Support ______ Carbon Steel
Couplings ___________ 300# NPT
Paint ____________ Grey Primer

OPERATING PRESSURE (PSIA)

GAS FLOWING TEMPERATURES, °F

SPECIFIC GRAVITY, AIR - 1.00

CORRECTION FACTORS

Conversion Chart

Your local distributor:

Corporate Offices & Plant
PERRY EQUIPMENT CORPORATION
Wolters Industrial Park
P.O. Box 640
Mineral Wells, Texas 76068
Telephone: 940-325-2575
800-877-PECO
Telefax: 940-325-4622
e-mail: fs@pecousa.com

Houston Branch Office
1758 West Sam Houston Parkway N.
Houston, Texas 77043-3115
Telephone: 713-973-2575
Telefax: 713-467-0475
e-mail: hou@pecousa.com

Perry Equipment Corporation
S.E. ASIA REGIONAL OFFICE
35-4 Jalan SP2/1
Taman Serdang Perdana, Sekseny2,
43300 Sen Kembangan
Selangor D.E., Malaysia
Telephone: 603-8941-2366
Telefax: 603-8941-1366
e-mail: pecosea@po.jaring.my

Perry Equipment Italiana S.R.L.
via Camozzi, 106
24121 Bergamo (BG)
Italy
Telephone: 3903-523-6340
Telefax: 3903-523-6380
e-mail: peco.italy@tin.it

Peco Filters, Ltd.
1351 Hastings Crescent S.E.
Calgary, Alberta
Canada T2G-4C8
Telephone: 403-243-6700
Telefax: 403-287-9304
e-mail: 103727,3572@compuserve.com

European Offices & Plant
PERRY EQUIPMENT LTD.
Rymer Point
Barnham, Thetford
Norfolk IP24 2PN
England
Telephone: 44-1-842-890-344
Telefax: 44-1-842-890-450
Telex: 81611 PECO G
e-mail: sales@perry-equipment.co.uk
www.perry-equipment.co.uk