



FEATURE-TEC SINGAPORE PTE LTD
Greener World & Better Life



- **YOUR SOLUTION PROVIDER FOR FILTRATION AND SEPARATION**
- **A PROVEN PARTNER FOR SUCCESS**



Company introduction

FEATURE - TEC is a filtration company which focuses primarily on R&D, manufacturing and supply of filtration & separation skid system.

Our company's headquarter is located in Shanghai, with factory in Wuxi and Shanghai. We have agents in America, Canada, Germany, Netherlands and South Africa.

We designed and manufactured Gas Separators with Mesh pad, Vane pack, Cyclones, Coalescer/Separation cartridge elements.

In Feature-tec, we have in house specialist to provide you with the best solution and support, for your specific filtration and separation needs; they are our Project Manager, Process Engineer, Mechanical Engineer, Electrical Engineer, Instrumentation Engineer etc.

We utilized softwares such as Pvelite, Solidworks 3D CAD/CAM, CFD simulation, MS Project to aid us in providing quality and reliable work to our customers.



2003	TUV ISO9001
2007	Pressure vessel manufacturing license
2007	CE
2008	ASME
2008	GOST
2009	Achilles
2009	ISO14001
2010	CCS



CE



A.S.M.E



GOST



Pressure vessel
manufacturing
license



CCS



ACHILLES



TUV ISO 9001



ISO 14001

Plant Introduction (WuXi)



Staff & workers:200

Shop Facility	Area
Covered	3000m ²
Storage	800m ²
Workshop	2000m ²
Office (Main)	200m ²

Plant Introduction (ShangHai)



Staff & workers:100

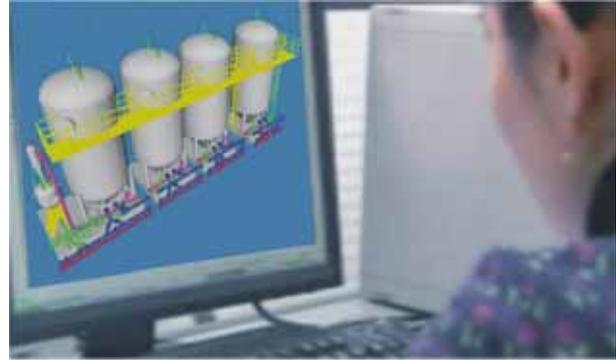
Shop Facility	Area
Covered	5000m ²
Storage	850m ²
Workshop	1150m ²
Office (Main)	600m ²

FACILITIES IN CHINA

Capabilities

ENGINEERING

With global R&D and engineering centres located in China and Singapore, Feature-Tec strives to become one of the global technology leaders in gas conditioning, filtration and separation equipment. With committed development resources, engineering expertise, industry experience, laboratory and testing set-up, Feature-Tec ensures that its products and solutions help the natural gas companies achieve optimum performance and greater operational excellence.



PROJECT MANAGEMENT

Dedicated project teams ensure that they are engaged with the customer right from the conceptual stage, rendering perfect guidance on the design and engineering aspects of a natural gas system. Industry standards and our expertise play a big role in ensuring technically sound project engineering, product selection, and system integration. Total commitment to customer satisfaction and continuous improvement has always been the top priority of the project group.



SERVICES

Feature-Tec's global products and solutions are backed by local engineering, manufacturing and service capabilities. Dedicated group of Support Engineers and Service personnel in China/Singapore ensure prompt responses to customers' needs. feature-tec's range of capabilities cover application support, system engineering consultation, installation start up and commissioning, maintenance, and also holding stock of critical spares.



Feature-tec Products for Oil & Gas Application:

Feature-tec is here providing you a total filtration solution. We have developed systems for following applications:

- Chemical Treatment
- Natural Gas Processing And Transportation
- Petroleum Refining
- Power Generation
- LNG Plant And Power Plant

Some Typical application of our Gas separators:

Upstream Gas Processing/ Petrochem

- Knockout Drum/Scrubber/Condensate Separator
- Inlet/Outlet separator for Glycol Dehydration, Amine sweetening, Methanol/ Ammonia removal processes.

Gas Transmission

- Pre-compressor separator, after compressor separator
- Fuel Conditioning system at District gates, City Gates

Power and Utilities

- Fuel Conditioning system before reciprocating engines /microturbine and gas turbine engines.
- CNG Filtration and Pressure Reduction Skid.



We designed and manufactured Gas Separators with Process internals such as

- Mesh pad
- Vane pack
- Cyclones
- Coalescer/Separation cartridge elements



Some of our existing customer's include:



Oil & Gas Production

Process	Applications
Gsa filter(Instrument & Utilities)	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Water injection package	FSH
Produced water	FSH
Potable water	FSH
Amine/Glycol package	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Diesel Filter/coalescer skids	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Fuel gas filter coalescer/separator(gas turbine)	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone

Gas Processing/LNG Plants

Process	Applications
Inlet raw natural gas/Separators	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Amine Sweetening Process	FSH,Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Glycol Dehydration Process	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Steam condensate/Boiler feed	Metal Cartridge Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Lube Oil Systems(Gas compressors etc.)	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Fuel gas filtration(For rotary equipment)	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone

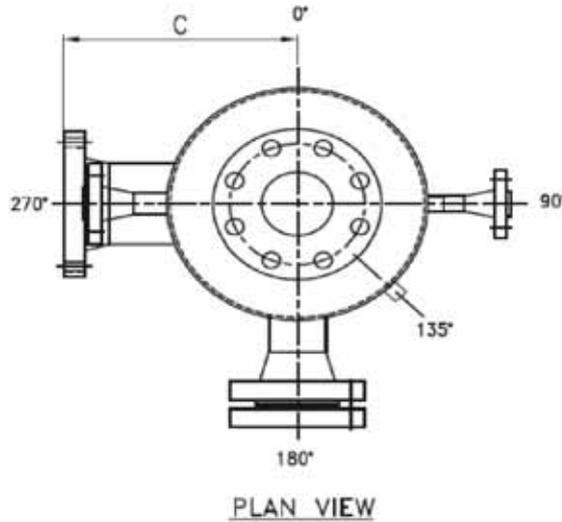
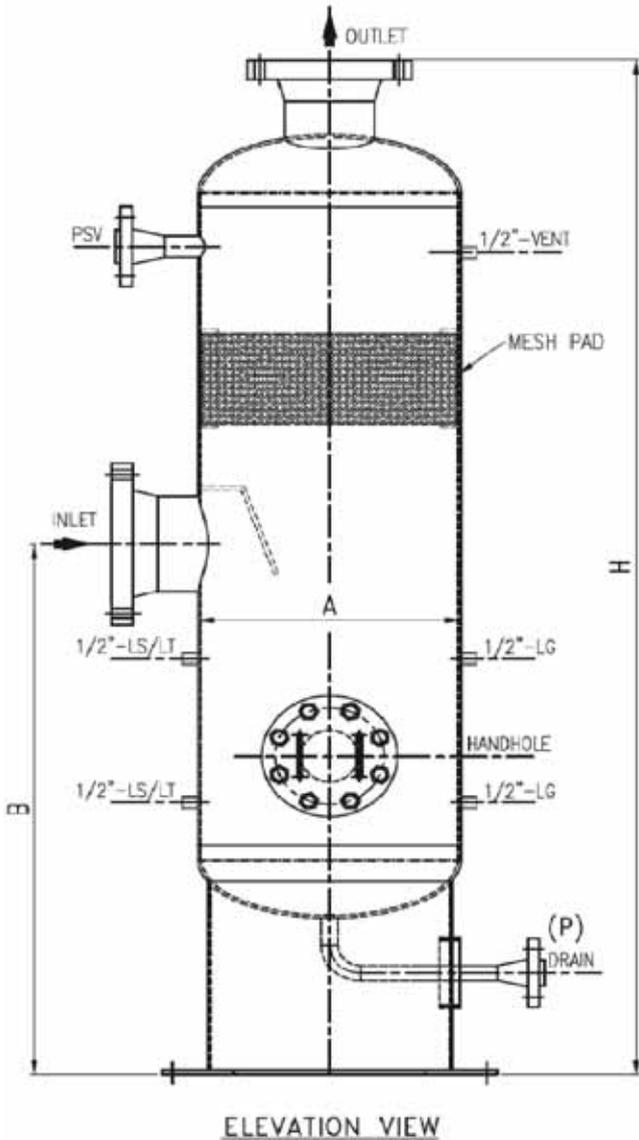
Petroleum Refining

Process	Applications
Catalytic Process protection	Self Clear
Amine Sweetening Process	FSH,Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Steam condensate/Boiler feed	Metal Cartridge,Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Utilities-Lube Oil Systems,fuel oil,etc	Coalescer/Separator Cartridge,Vane,Mesh,Cyclone
Finsh product filtration	FSH



Vertical Mesh Gas Separators

Wire-meshes or Meshpads are used to separate liquid from gas phase. WireMesh mist extractors are made by knitting wires into tightly packed layers which are stacked to achieve the thickness needed. They are installed horizontally in vessels with gas stream flowing vertically upwards through the pad. Meshpads can be installed in both vertical and horizontal vessels. It is however, not recommended for dirty Services as plugging may happen causing the reduction in separation efficiency.



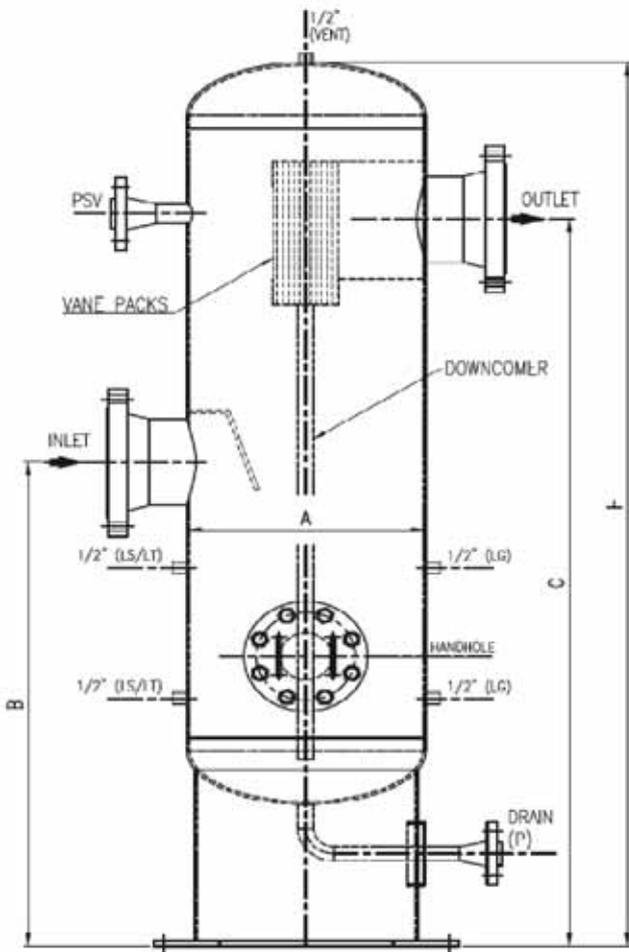
Model Number	Inlet & Outlet Nozzle Size (Nominal)	Dimensions(Inches)					Est.Weight Lbs.		
		A	B	C	H	P	Pressure Rating		
							150#	300#	600#
FT-VM-3-X	3	12	67	12	79	1.5	467	591	605
FT-VM-4-X	4	16	73	15	87	2	806	1004	1185
FT-VM-6-X	6	20	73	18	90	2	945	1636	1967
FT-VM-8-X	8	24	79	22	99	2	1431	2472	1370
FT-VM-10-X	10	30	88	25	113	2	2088	3249	4151
FT-VM-12-X	12	36	94	28	120	2	2080	4608	6328

Note:X-Pressure Rating

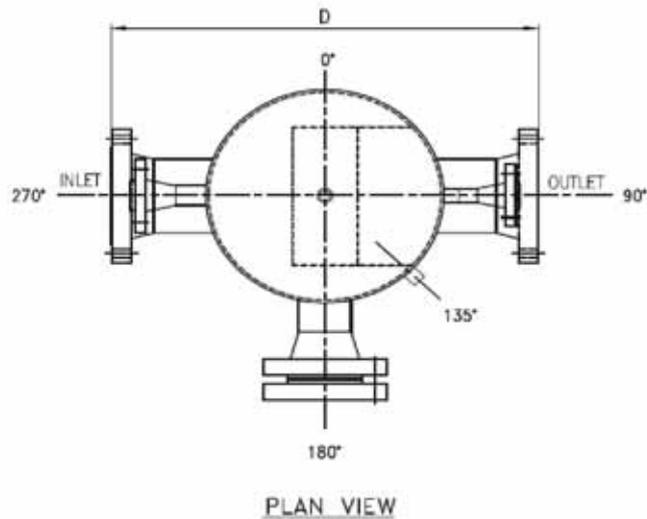
Vertical Vane Gas Separators

Vane pads are used to separate liquid from gas phase. Vane pads are a group of closely spaced blades arranged to provide sinusoidal or zig-zag gas flow paths. Vane pads can be installed in both vertical and horizontal orientation. It is however, not recommended for dirty services as plugging may happen causing the reduction in separation efficiency.

Vanes Separators are design in accordance with ASME VIII Div.1 Stamped vessels are available upon request.



ELEVATION VIEW

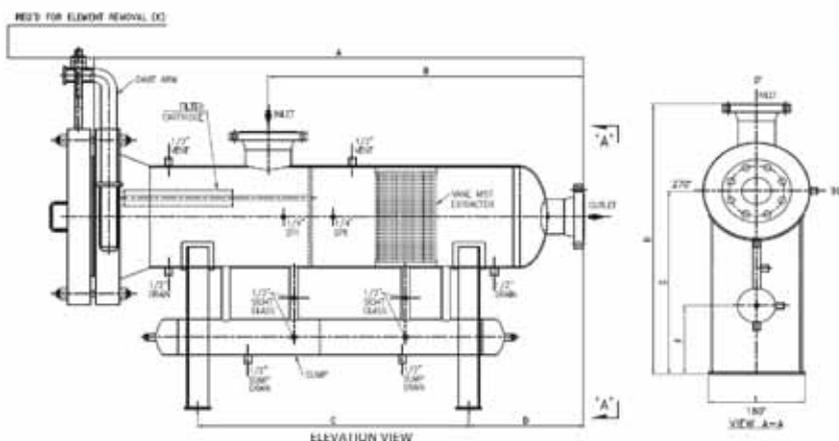


PLAN VIEW

Model Number	Inlet & Outlet Nozzle Size (Nominal)	Dimensions(Inches)						Est.Weight Lbs.		
		A	B	C	D	H	P	Pressure Rating		
								150#	300#	600#
FT-VV-3-X	3	12	44	67	24	79	1.5	467	591	605
FT-VV-4-X	4	16	45	73	30	87	2	806	1004	1185
FT-VV-6-X	6	20	46	73	36	90	2	945	1636	1967
FT-VV-8-X	8	24	48	79	44	99	2	1431	2472	1370
FT-VV-10-X	10	30	51	88	50	113	2	2088	3249	4151
FT-VV-12-X	12	36	53	94	56	120	2	2080	4608	6328

Note:X-Pressure Rating

Horizontal Filtration(Filter/Separators)



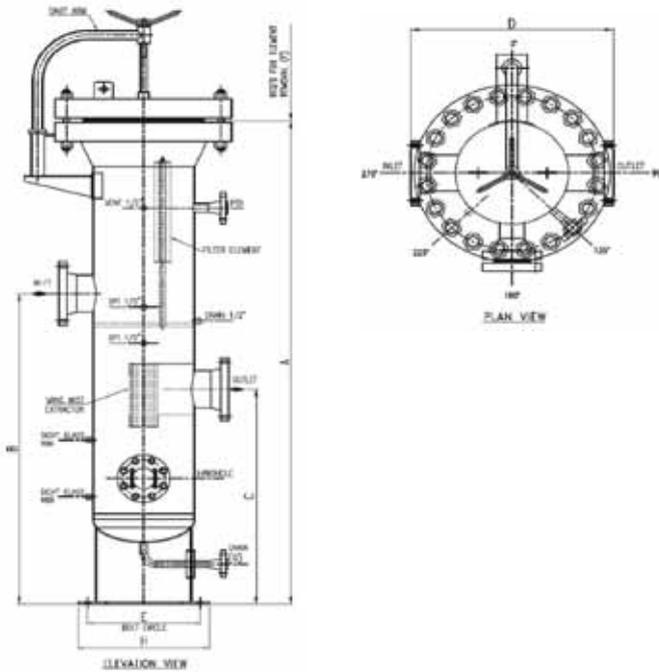
Model	Wt.VS. Design Pressure			
	150#	300#	600#	900#
FT-HFV-12-X	629	648	836	1005
FT-HFV-14-X	779	887	1123	1309
FT-HFV-16/1-X	760	1156	1547	1792
FT-HFV-16/2-X	983	1185	1585	1840
FT-HFV-18/1-X	1243	1498	2084	2392
FT-HFV-18/2-X	1182	1449	2064	2391
FT-HFV-20/1-X	1447	1918	2678	3101
FT-HFV-20/2-X	1718	2340	3251	3819
FT-HFV-24-X	2278	3421	4932	6732
FT-HFV-26-X	2034	3545	4651	6034
FT-HFV-30-X	2704	4573	6491	8225
FT-HFV-32-X	3275	5891	7737	8989
FT-HFV-36-X	4989	8443	10607	14044
FT-HFV-42-X	6232	11238	14738	19906
FT-HFV-48-X	13338	19918	24087	30626
FT-HFV-54-X	15567	25094	30306	39871

Model	Vessel Diameter (O.D.)	Sump Diameter (O.D.)	Inlet & Outlet Nozzle Size (Nominal)	Filter Element			Dimensions										
				Max. Number	Length	Face Area (Sq.Ft.)	A	B	C	D	E	F	G	H	I	J	K
FT-HFV-12-X	12-3/4	6-5/8	4	1	36	3.58	96	51	56-1/2	24	12	15-1/2	37	51	2	1-1/2	38
FT-HFV-14-X	14	6-5/8	6	2	36	4.16	105	59	63-1/2	26	12	15-1/2	38	54	2	1-1/2	38
FT-HFV-16/1-X	16	6-5/8	6	3	36	10.75	109	62	62	27	14	15-1/2	39	56	2	1-1/2	38
FT-HFV-16/2-X	16	6-5/8	6	4	36	14.33	113	67	66	27	14	15-1/2	39	56	2	1-1/2	38
FT-HFV-18/1-X	18	8-5/8	8	5	36	17.91	119	71	70	29	16	16-1/2	42	61	2	1-1/2	38
FT-HFV-18/2-X	18	8-5/8	8	7	36	25.07	126	78	77	29	16	16-1/2	42	61	2	1-1/2	38
FT-HFV-20/1-X	20	8-5/8	8	8	36	28.66	127	78	77	30	18	16-1/2	43	63	2	1-1/2	38
FT-HFV-20/2-X	20	8-5/8	8	8	72	57.72	166	82	116	30	18	16-1/2	43	63	2	1-1/2	74
FT-HFV-24-X	24	8-5/8	10	13	72	93.79	182	95	126	33	21	16-1/2	45	68	3	2	74
FT-HFV-26-X	26	10-3/4	10	16	72	115.43	186	99	179	34	23	17-1/2	48	72	3	2	74
FT-HFV-30-X	30	10-3/4	12	21	72	151.51	199	110	138	38	26	17-1/2	50	78	3	2	74
FT-HFV-32-X	32	12-3/4	12	23	72	165.93	201	112	138	40	28	18-1/2	53	83	3	2	74
FT-HFV-36-X	36	12-3/4	14	31	72	233.65	214	124	149	42	33	18-1/2	57	89	3	2	74
FT-HFV-42-X	42	16	16	38	72	274.15	224	132	153	46	38	20	63	99	3	2	74
FT-HFV-48-X	48	16	18	56	72	404.01	246	152	171	50	44	20	66	106	3	2	74
FT-HFV-54-X	54	16	20	74	72	533.88	265	169	187	53	48	21	71	114	3	2	74

Note:X-Pressure

Dimensions in Inches

Vertical Filtration(Filter/Separators)



Model	Wt.VS. Design Pressure			
	150#	300#	600#	900#
FT-HFV-12-X	748	767	1007	1251
FT-HFV-14-X	901	1038	1342	1595
FT-HFV-16/1-X	1097	1355	1820	2154
FT-HFV-16/2-X	1108	1368	1839	2178
FT-HFV-18/1-X	1258	1578	2295	2698
FT-HFV-18/2-X	1276	1603	2332	2743
FT-HFV-20/1-X	1779	2527	3543	4215
FT-HFV-20/2-X	1810	2548	3572	4252
FT-HFV-24-X	2098	3231	4732	6517
FT-HFV-26-X	2061	3834	5025	6660
FT-HFV-30-X	2664	4846	6971	9005
FT-HFV-32-X	2985	6070	8143	9620
FT-HFV-36-X	4643	8641	11083	15087
FT-HFV-42-X	6028	12142	15813	21925
FT-HFV-48-X	12765	20311	25091	32634
FT-HFV-54-X	14958	25788	31663	42581

Model	Vessle Diameter (O.D.)	Inlet & Outlet Nozzle Size (Nominal)	Filter Element			Dimensions							
			Max. Number	Length	Face Area (Sq.Ft.)	A	B	C	D	E	F	G	H
FT-HFV-12-X	12-3/4	4	1	36	3.58	136	91	68	68	14	38	1-1/2	16-1/2
FT-HFV-14-X	14	6	2	36	7.16	143	96	70	32	14	38	1-1/2	16-1/2
FT-HFV-16/1-X	16	6	3	36	10.75	145	98	71	34	17-1/2	38	1-1/2	20
FT-HFV-16/2-X	16	6	4	36	14.33	147	100	72	34	17-1/2	38	1-1/2	20
FT-HFV-18/1-X	18	8	5	36	17.91	152	103	73	38	17-1/2	38	1-1/2	20
FT-HFV-18/2-X	18	8	7	36	25.07	155	106	75	38	17-1/2	38	1-1/2	20
FT-HFV-20/1-X	20	8	8	36	28.66	193	108	76	40	21-1/2	38	1-1/2	24
FT-HFV-20/2-X	20	8	8	72	57.72	195	110	76	40	21-1/2	74	1-1/2	24
FT-HFV-24-X	24	10	13	72	93.79	208	121	81	46	23-1/2	74	2	26
FT-HFV-26-X	26	10	16	72	115.43	213	126	84	48	23-1/2	74	2	26
FT-HFV-30-X	30	12	21	72	151.51	224	135	86	56	27-1/2	74	2	30
FT-HFV-32-X	32	12	23	72	165.93	226	137	87	60	27-1/2	74	2	30
FT-HFV-36-X	36	14	31	72	233.65	237	147	92	64	33-1/2	74	2	36
FT-HFV-42-X	42	16	38	72	274.15	249	157	96	72	42	74	2	45-1/2
FT-HFV-48-X	48	18	56	72	404.01	266	172	102	80	45-1/2	74	2	48
FT-HFV-54-X	54	20	74	72	533.88	284	188	109	86	51-1/2	74	2	54

Note:X-Pressure

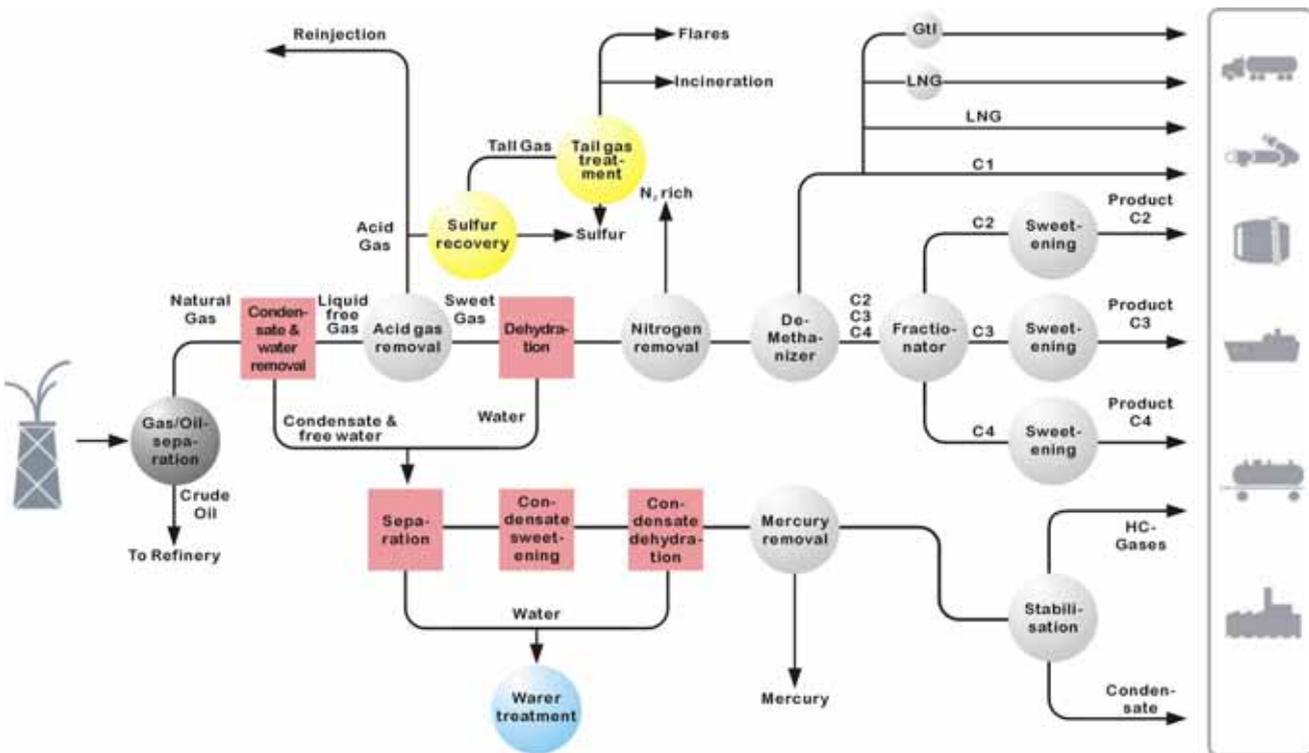
Dimensions in Inches

Services provided	Industries
Quality assurance	Chemical & petrochemicals
Health, safety and environment	Commercial & institutional
Preliminary/conceptual design	Oil & Gas production & refining
Construction management	Power & desalination
Detailed design and engineering	Water & sewage
Proposals and cost estimating	Transportation
Scheduling	Aviation (airports)
Procurement and expediting	Offshore works
Fabrication	
Construction, administration and control	
Commissioning	
Facilities management	
Operations and maintenance	

High quality standards

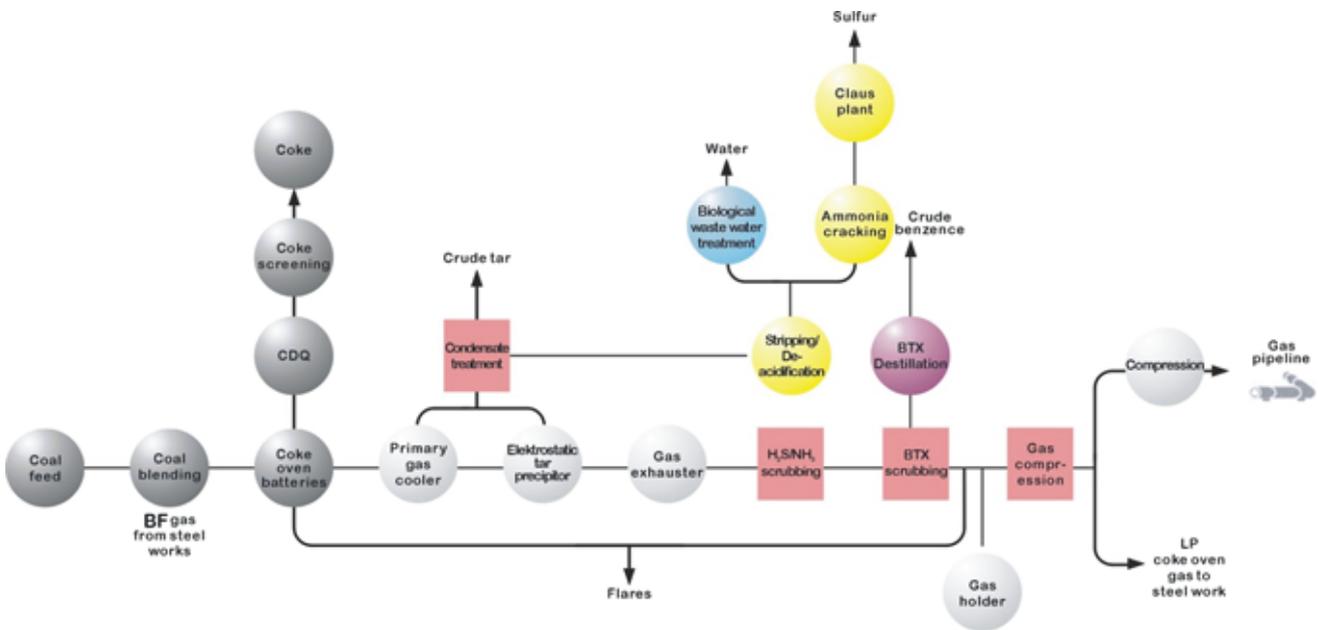
Due to considerable in-house construction capabilities FEATURE-TEC can offer proven procedures and products of highest quality, continuous improvements in technology and a vast database of construction methodologies. FEATURE-TEC fulfils current international standards such as ASME U stamp, PED & Gost stamps, ISO14001 & ISO9001. The quality of our products and services is controlled regularly by TUV, Lloyd's, Germanischer Lloyd and other international inspection agencies.

Application in upstream gas processing (typical)



→ Where Inlet & outlet gas separation skids are supplied

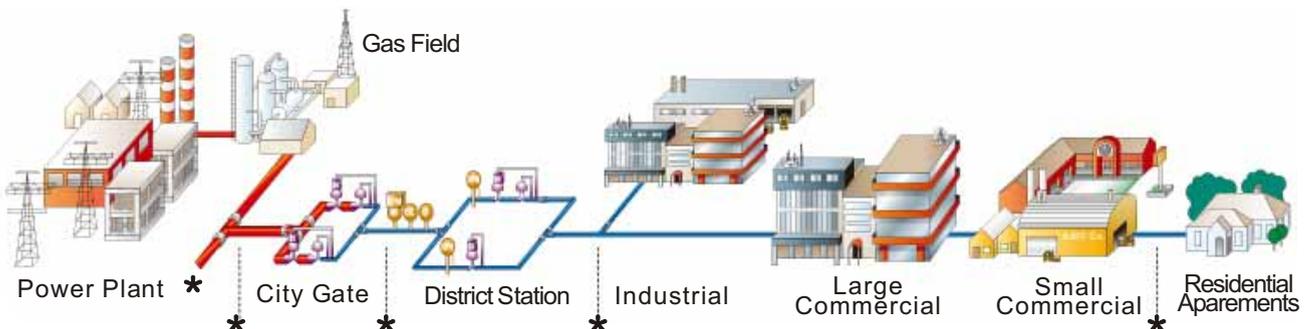
Application in upstream gas processing (typical)



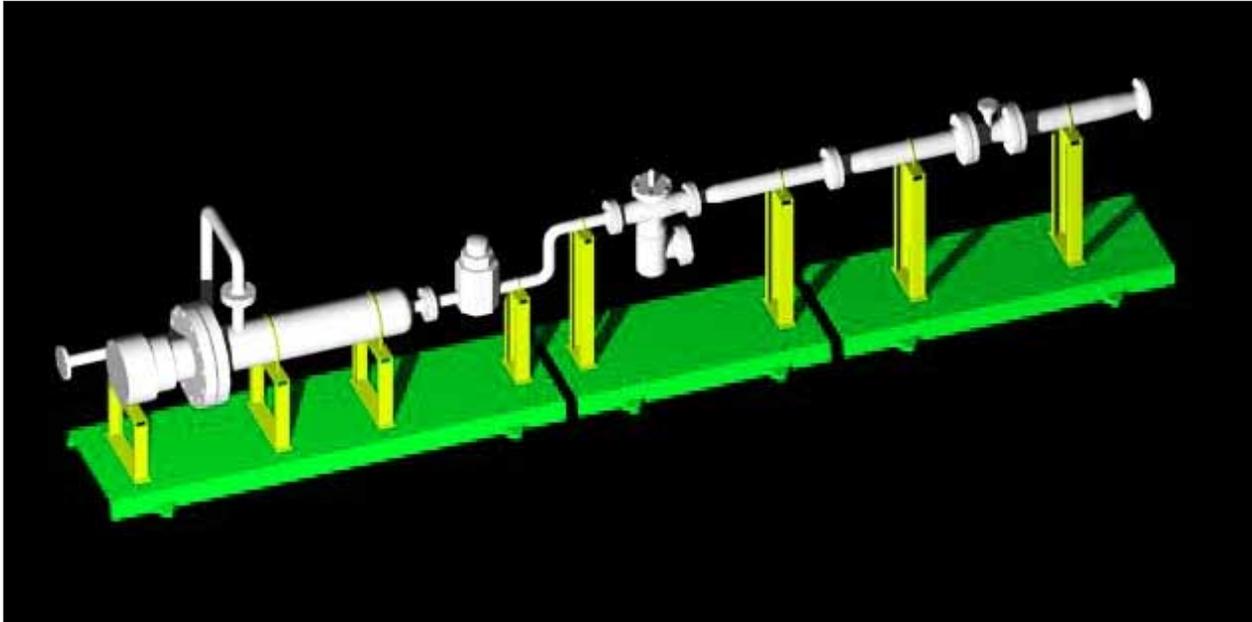
→ Where Inlet & outlet gas separation skids are supplied

Application in downstream gas transmission & distribution (typical)

* → Where fuel gas conditioning skids are supplied



Application in downstream CNG filtration & pressure reduction



Installation Schematic for typical CNG system with Regulators

Safety Standards

Systems are designed, tested and evaluated per the following Industry and Safety Standards:

1. ASME Section VIII
2. IGE/TD/13
3. EN334 for Regulators
4. EN14382 for Slam-Shut Valves
5. EC, OIML, EN12405 and AGA for Meters and Electronic Volume Correctors (EVC)

Improving the quality of gas

To meet the required specifications for further processing or distribution of natural or associated gas requires treatment. Main criteria for the desired gas quality are the dew point of water or hydrocarbon as well as the content of sulphur and carbon dioxide.

We provide front-end engineering, detailed design, procurement, fabrication and construction services for a wide range of gas projects. From wellhead to pipeline distribution we deliver filtration & separation solutions for the Refining, offshore, LNG/LPG/CNG, storage and pipeline sectors. Solutions for the treatment of gas are tailored to individual customers' needs.

A grayscale world map with several red dots indicating global locations. The dots are concentrated in North America, Europe, and East Asia.

CONTACT INFORMATION



Global Sales Network

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Greener World & Better Life

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