



# PRODUCT OFFER

## COLUMNS

Column type equipment are produced for chemical, petrochemical, refinery, gas and food industry.

This type of equipment is used in the processes of distillation and rectification, in the absorption processes for cleaning, cooling, dehumidifying or humidifying gases and steam.

Manufactured strictly according to the customer`s specifications. Depending on these requirements they may be a trays columns, packed columns or mixed construction.

## REACTORS

Reactors vessel type or column type equipment for carrying out chemical reactions. There is a great diversity of design solutions resulting from a great variety of chemical processes.

They may be a column reactors ( trays, packed or unpacked ones) or vessel reactors (packed, pebble-bed or fluidized-bed ones). They are designed and manufactured strictly according to the customer`s specifications.

## PRESSURE VESSELS

FAMET offers vessel type process equipment which is designed and manufactured with ASME U-stamp, TÜV, UDT and PED 2014/68/EU (with CE mark) approvals.

### Maximum dimensions:

- diameter: 600 - 6000 mm
- length: 55 m
- weight: 250 t / 500 t / 1000 t



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# EXEMPLARY DELIVERIES OF PROCESS EQUIPMENT

End User Company Name	Description of Apparatus	Year	Quantity [pc]	Temp. [°C]	Pressure [bar]	Volume [dm <sup>2</sup> ]	Material	Weight [kg]	Code Inspection
UPM Kymmene OY FINLAND	RECYCLE GAS K.O. DRUM	2013	1	100	104	2 470	CS	2 225	PED + EN13445
UPM Kymmene OY FINLAND	RECYCLE GAS SCRUBBER	2013	1	165	104	7 300	CS/clad SS	17 860	PED + EN13445
UPM Kymmene OY FINLAND	COLD SEPARATOR	2013	1	165	104	29 500	CS/ cladSS	36 350	PED + EN13445
LINDE Engineering Dresden GERMANY Staryj Oskol RUSSIA	DIRECT CONTACT AIR COOLER	2013	1	120	7	134 000	CS	28 000	EN13445
LINDE Engineering Dresden GERMANY Staryj Oskol RUSSIA	HEAT ACCUMULATOR	2013	1	250	3	56 900	CS	11 000	EN13445
LINDE Engineering Dresden GERMANY Staryj Oskol RUSSIA	EVAPORATION COOLER	2013	1	60	1	59 100	CS	22 500	EN13445
LINDE Engineering Dresden GERMANY Staryj Oskol RUSSIA	BUFFER VESSELS	2013	12	60	37	125 000	CS	46 000	EN13445
LURGI Germany	MAKE -UP STORAGE VESSEL	2013	1	120	3,5	164 000	CS	34 100	AD 2000
LURGI Germany	SUMP VESSEL	2013	1	120	3,5	15 600	CS	6 100	AD 2000
LURGI Germany	REFLUX VESSEL	2013	1	120	3,5	4 400	SS	1 900	AD 2000
LURGI Germany	HOT CONDENSATE SEPARATOR 1	2013	1	250	37	13 500	CS/SS Clad	11 500	AD 2000
LURGI Germany	DEAERATOR EXPORT STEAM	2013	1	180	4	36 000	CS/SS Clad	17 400	AD 2000
AVP INTEGRAL OU / OAO "AHXK" RUSSIA	Naphta Stabilizer, Amina Recuperator	2012	2	230 / 180 170 / 180	16 / -1 4,5 / -1	52 000 100 000	clad CS+SS	30 300 39 120	ASME VIII, DIV.1 GOST
UHDE / PRAXAIR Saint Charles USA	Condensate Separators	2012	3	300 / 170	36 / 34 /-1	36 500 10 500 19 500	SS	27 500 9 650 15 750	ASME VIII, DIV.1 with U-Stamp
UHDE / PRAXAIR Port Arthur USA	Condensate Separators	2012	3	300 170 300	36 / -1 34 / -1 36 / -1	36 500 10 500 19 500	SS	27 500 9 650 15 750	ASME VIII, DIV.1 with U-Stamp
Zakłady Azotowe "Puławy" S.A. POLAND	REACTOR NOx	2011	1	230	4	47000	SS / CS	12960	PED + EN13445
Technip POLAND Technip ITALY PKN ORLEN S.A. Plock, POLAND	Adsorber	2008	2	205	15,5	490.000	SA516 Gr.70	199.200	ASME VIII (Div.1)2006ED+ PED UDT
Grupa LOTOS S.A. Oil Refinery Gdańsk, POLAND	Xylene Tower	2007	1	230	3,5	264.000	CS	73.900	PED+ASME VIII (Div. 1)2004ED 2005 Add. UDT
Grupa LOTOS S.A. Oil Refinery Gdańsk, POLAND	Reformate Splitter	2007	1	230	3,5	240.000	CS	51.600	PED+ASME UDT
Air Liquide Engineering FRANCE SEVERSTAL RUSSIA	Water Wash Tower	2006	1	85	6,5	531.000	CS P275NH P355NH	78.000	AD2000 PB-03-576-03 (GOST)
Air Liquide Engineering FRANCE SEVERSTAL RUSSIA	Water Chiller Tower	2006	1	40	Non pressure	369.000	CS SA516 GR.70	48.700	ASME VIII (Div.1)2004ED PB-03-584-03 (GOST)