

2018 TERAL GROUP

PRODUCTS GUIDE

TERAL



Listen to the voice of the times and regard the global environment from a deeper and broader viewpoint

Since its foundation, the Teral Group has constantly responded with advanced technologies and quality to the changing times and the needs of our customers.

As specialists in the water and air that are vital to a beautiful planet, we are committed to developing products that show concern for the movements to protect the environment.

A deeper and broader viewpoint. Our proven track record is evidence of the trust placed in the Teral brand, both in Japan and overseas.

Triple e – the new product concept at Teral

The Top Runner Program aimed at energy-efficient electric motors was introduced in April 2015. At Teral, we are developing products that comply with the new regulation under the Triple e concept.

High **e**fficiency products realize

saving **e**nergy and preserving the Earth

environment



The Teral Group

- **TERAL INC.** Manufactures and sells pumps, fans, units, environmental systems
- **TERAL TAKU INC.** Manufactures small-scale pumps, built-in pumps
- **TERAL KURITA INC.** Manufactures fans for industrial, equipment and agricultural use
- **TANIYAMA CO., LTD.** Manufactures and sells fans for industrial, construction and air-conditioning use
- **TERAL TECHNOSERVICE INC.** ... Maintenance & Engineering
- **Overseas** Teral Asia Limited / Teral Thai Co., Ltd. / Teral General Machine (Shanghai) Co., Ltd. / Teral Middle East F.Z.C. / Teral Pumps & Fans North America Ltd. / Teral Vietnam Limited Liability Company / Teral Malaysia Sdn. Bhd. / PT. Teral Indonesia Pumps and Fans / Teral-Aerotech Fans Private Ltd. / T&W

This is where we work!



Sirocco fan



Pressure fan



Sirocco fan



Volute pump



Pressurized water supply pump



Agricultural fan



Direct connection water supply booster pump



Cross-flow fan (Air curtains)



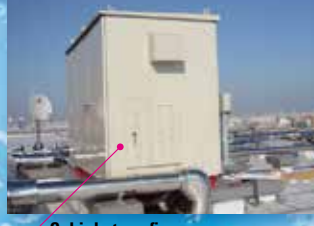
Filtration equipment



Volute pump



Roof ventilator



Cubicle type fire pump



Mild fan



Fire pump



Coolant pump



Coolant filtration equipment

A complete lineup for a range of need in daily life and on the production floor

Air-conditioning, water supply and drainage are some of the indispensable facilities for a comfortable environment in apartment buildings and office buildings. Technical progress toward better efficiency and energy conservation is in constant demand at all types of production sites. The Teral Group understands the characteristics of different sites and pays close attention to product development. We are proud of our extensive lineup that responds to customer needs.

For the construction market



Pressurized water supply pump



Direct connection water supply booster pump



Fire pump



Line pump



Volute pump



Vertical volute pump



Water supply pump for shallow wells



Water supply pump for shallow wells



Water supply pump for deep wells



Deep well pump



Submersible drainage pump



Submersible drainage pump



Submersible turbine volute pump



Deep well pump



Total heat exchanger



Sirocco fan



Line fan



Smoke ventilation fan



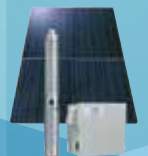
Kitchen garbage disposal system



Filtration equipment



Filtration equipment



Solar battery pump system



BT BioClean



Rooftop greening system

For the industrial market



Volute pump



Coolant pump



Coolant pump



Mini turbo fan



Ring blower



Turbo fan



Pressure fan



Induction fan



Air curtains



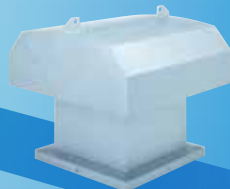
Big Log



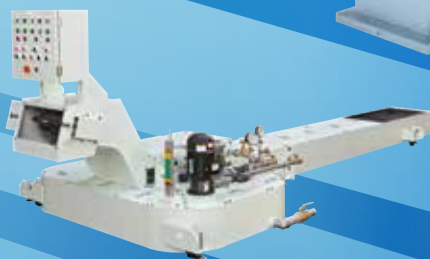
Pressure fan



FRP turbo fan



Roof ventilator



Coolant filtration equipment

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Pump Line up

Although we may not notice them, pumps support our every day lives. Leading-edge technology and uncompromising product quality control provide answers to today's changing needs.

Water supply pumps

Powerful, yet designed to save space and energy.

High-performance pumps with excellent durability and workmanship support safety in daily life.

Pump

Direct connection water supply booster pumps



Cabinet type
MC5



Cabinet type
MC5-P



Cabinet type
MC5-W3



Cabinet type
MC4-B



Stationary type
NX-DFC

Pressurized water supply pumps



Estimated terminal pressure
constant control, cabinet type
CXV



Estimated terminal pressure
constant control
NX-VFC



Estimated terminal pressure
constant control
NX-VFC Multiple pump control

Pressurized water supply pumps



Estimated terminal pressure constant control, high head
SVMV



Estimated terminal pressure constant control, submersible pump
SSTMV



Constant pressure control
NX-LAT



Estimated terminal pressure constant control, receiving tank integrated
R-NXVFC
RT-NXVFC
Constant pressure control, receiving tank integrated
R-NXLAT
RT-NXLAT

For pumping water



NX-LFT

For agricultural use



With self-priming pump, 39L pressure tank
LAT3-MTP

Water service booster pump



Submersible type
BST

Pumps for environmental application and disaster prevention



Manual water well pump
ELEP



DC power water supply pump
PT



Rainwater collection system above-ground outdoor use
RUT-THP6



Rainwater collection system underground tank unit
RUTG-THP6

Household pumps

From shallow well pumps to deep well pumps, including inverter control and constant water supply type, we have a varied lineup to meet your needs.

Water supply pumps for shallow wells



Inverter control
THP6-V
Constant pressure water supply
THP6



Constant pressure water supply tank system
WP

Water supply pumps for shallow / deep wells



Constant pressure water supply tank system
KP

Water supply pumps for deep wells



Inverter control
TWS-V



Constant pressure water supply
TWS



Water service booster pumps



Water circulation auxiliary pressure type pressure cistern
ST



Hot water supply pressure type
PH-203GT



Inverter control
RMB-THP6-V
Constant pressure water supply
RMB-THP6

Fire pumps

Teral has achieved the first unitization in the industry and blazed the rail in unitized fire pumps. Fire pumps created from years of experience and technology support safety in daily life.

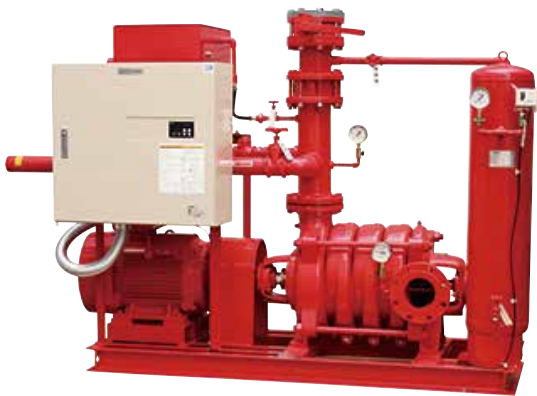
Conventional type fire pumps



Motor driven type, 2-pole,
multistage motor type
NXF



Motor driven type, 2-pole,
multistage direct coupled
MJF



Motor driven type,
4-pole, multistage
direct coupled
MKF

We also have a lineup of cubicle type that provides excellent weather resistance outdoors.



Electric motor and engine driven
MKFD



Auxiliary pressure pump unit



JPF-SVM

Fire pump for aqueduct connection type sprinkler in specified facility



For fire sprinklers
NXFT

Water supply / circulation pumps

High performance and reduced size and weight have been realized through the latest fluid design. Our stainless steel lineup has been improved to meet a wide range of needs.

Above-ground pumps

● Volute pumps



Horizontal
Cast iron, 2-pole, motor type
SJM2/SJM3



Horizontal
Cast iron, 2-pole,
direct-coupled
SJ

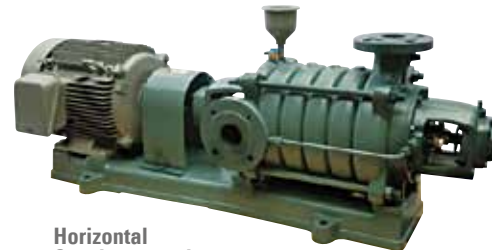
Horizontal
Cast iron, 4-pole, direct-coupled
SJ4



Horizontal
Cast iron, 2-pole,
direct-coupled
LS2



Horizontal
Cast iron, 4-pole,
direct-coupled
LS



Horizontal
Cast iron, 4-pole,
Multistage direct-coupled
M



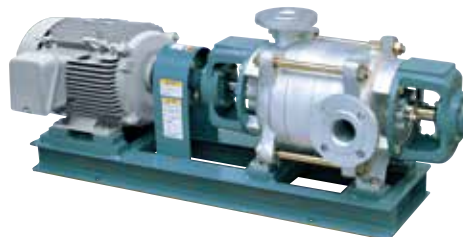
Horizontal
Stainless steel,
2-pole, motor type
SJMS



Horizontal
Stainless steel,
4-pole, direct-coupled
SJ4S



Horizontal
Stainless steel
2-pole, multistage motor type
NX



Horizontal
Stainless steel, 2-pole,
multistage direct-coupled
MKHS



Vertical
Stainless steel
2-pole, direct-coupled
SVM

Above-ground pumps

● Line pumps



Vertical, volute pump
Cast iron, 2-pole, motor type
LP



Vertical, volute pump
Cast iron, 4-pole, direct-coupled
LPE



Vertical, volute pump
Cast iron, 2-pole, motor type
SLP2

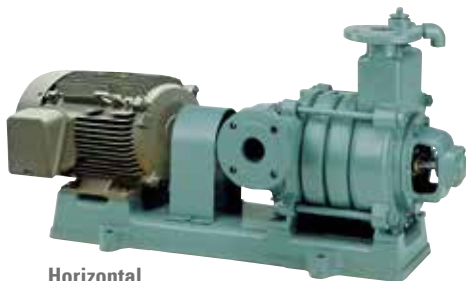
● Self-priming volute pumps



Horizontal
Cast iron, 2-pole, motor type
MTP



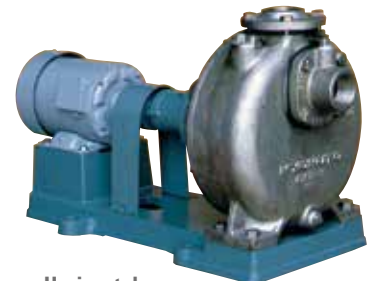
Horizontal
Cast iron, 4-pole,
direct-coupled
SP3/SP



Horizontal
Cast iron, 4-pole,
multistage direct-coupled
MSP



Horizontal
Cast iron, 2-pole, motor type
ESPM

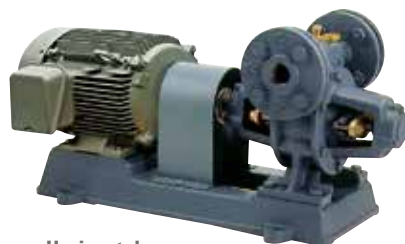


Horizontal
Stainless steel, 4-pole,
direct-coupled
SP_SUS

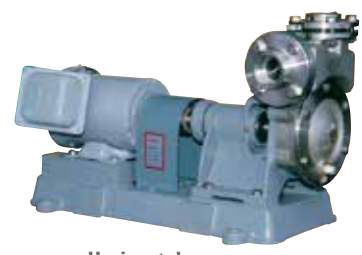
● Cascade pumps



Horizontal
Cast iron, 4-pole,
multistage direct-coupled
KSP



Horizontal
Cast iron, 4-pole,
2-stage direct-coupled
KH



Horizontal
Stainless steel, 4-pole,
direct-coupled
KSPS

Submersible pumps

● Deep well submersible pumps



● Submersible turbine pumps



● Submersible axial flow pumps



● Submersible mixed flow pumps



Drainage pumps

Our broad product lineup responds to a range of need from household use to heavy industry.

Submersible drainage pumps

Sewage and drainage, resin
PL

Sewage and drainage, resin
PV

Sewage (sea water) resin
TPV

Sewage
Stainless steel
KCS2

Sewage (cleaning water, sump) rubber
LG2

Sewage resin
U-PLT

Sewage and drainage, resin
U-PVT

Sewage, drainage, and waste cast iron
SVC

Sewage, drainage, and waste cast iron
BO/KO

Sewage, drainage, and chemical sewage stainless steel
BOS

Sewage, drainage, and chemical sewage stainless steel
KOS

Relay tank pump unit
RPU

Oil pumps

We have a varied oil pumps of gear type, cascade type, internal gear type to meet your needs.

Gear pumps

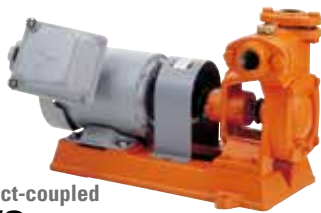


Direct-coupled
low head
GPL2
Direct-coupled
high head
GPM2



Belt driven
GV

Self-priming cascade pump

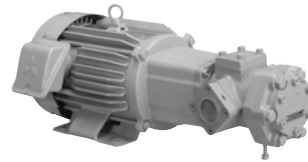


Direct-coupled
OKS

Internal gear pumps



Pump only
TRP



Direct driven
TRP-M

Coolant pumps

From small to large volume, low to high head, and clean to dirty liquid, Teral provides quality solutions for your needs with a varied lineup.

Immersion type coolant pumps



Non-seal, single-stage
close coupled type
VKP



Non-seal, multistage
close coupled type
LHW



Mechanical seal, multistage
close coupled type
VKC



Non-seal, single-stage
close coupled type
LFO



Non-seal, multistage
close coupled type
LBK



Non-seal, multistage
close coupled type /
direct coupled type
LPW



Non-seal, multistage
close coupled type
LVS



Mechanical seal, multistage
close coupled type,
for coolant tank cleaning
SKM

Floor type coolant pumps



Non-seal, single-stage
close coupled type
VKN



Non-seal, multistage
close coupled type / direct coupled type
LPS

Fan Line up

Fans have come to play an indispensable role in today's ever more complex urban environments. Our varied line-up of high safety products help to maintain comfortable environments in a number of ways.

Air-conditioning fans

We have a varied lineup from centrifugal fan for low & high pressure, axial fan that can be installed between ducts, and engine drive to respond to a range of need.

Sirocco fans (Multi-blade fan)



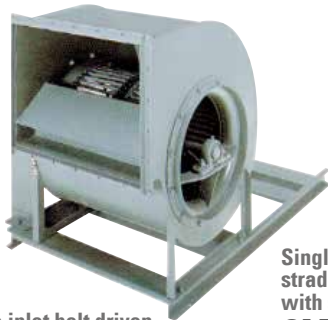
Single inlet belt driven
straddle mounted impeller type
CLF5-RS
CLF6-RS



Single inlet belt driven overhang type
CLF2-OB
CLF6-OB



Single inlet direct driven type
without coupling
CLF6-HOH



Double inlet belt driven
straddle mounted impeller type
CLF2-RD



Single inlet belt driven
straddle mounted impeller type
with silencer box
CLF6-U-RS
CLF5-U-RS



Double inlet belt driven straddle
mounted impeller type with
silencer box
CLF2-U-RD

Mini Sirocco fans (Multi-blade fan)



Single inlet direct driven type
without coupling
BE/BF



Twin fan
DR

Line Sirocco fans (Multi-blade fan)



Double inlet direct driven type
without coupling, silent type
LCF2
Double inlet direct driven type
without coupling with silencer,
mute type
LCF2-U



Direct driven type
without coupling
moisture-proof
BFS

Line Sirocco fans (Mixed flow fan)



Direct driven type
without coupling
ALF2/ALF



Direct driven type
without coupling
ALF-2E



Belt driven type
ALF-2P



Direct driven type without
coupling, with silencer box
ALF2-U/ALF-U2

Smoke ventilation fans

We have a varied lineup from centrifugal fan for low & high pressure, axial fan that can be installed between ducts, and engine drive to respond to a range of need.

Smoke ventilation fans



Sirocco fan (multi-blade fan) motor driven
single inlet belt driven
straddle mounted impeller type
CLF2 (R) -RS



Mild fan (backward curved multi-blade fan)
motor driven, single inlet belt driven
overhang type
CMF3 (R) -SOB



Mild fan (backward curved multi-blade fan)
motor driven, single inlet belt driven
straddle mounted impeller type
CMF3 (R) -RS



Axial flow fans
motor driven
direct driven type without coupling
AES4 (R)



Sirocco fan (multi-blade fan) engine &
motor driven, single inlet belt driven
straddle mounted impeller type
CLF2 (R) -RS-Y

Industrial fans

We have assembled a varied lineup to respond to the need for optimization, energy efficiency, cleanliness and low noise levels at industrial sites.

Mild fans (backward curved blade fan)



Single inlet belt driven
straddle mounted impeller type
CMF3-RS



Single inlet belt driven
overhang type
CMF3-SOB



Single inlet belt driven
overhang type
CMF3-OB



Single inlet direct driven type
without coupling
CMF3-HOH

Mini turbo fan (backward curved blade fan)



Single inlet direct driven
type without coupling
KT

Turbo fans (backward curved blade fan)

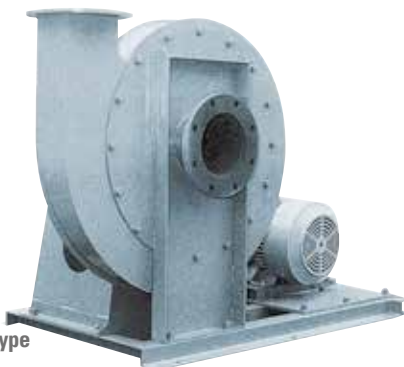


Single inlet belt driven
overhang type
CTF2-OB
CTF3-OB



Single inlet direct driven with
coupling, overhang type
CTF2-MOB
CTF3-MOB

Turbo blower (backward curved blade fan)



Single inlet belt
driven overhang type
CTB-OB

Plate fan



Single inlet belt
driven overhang type
CPF2-OB

Ring blowers



Single phase
low noise type
VFZ-PN



Standard model
VFZ-A



Low noise type
VFZ-AN



UL/CSA certified
VFC-UL

Axial flow fans

Belt driven type
round, aluminum
impeller
APK5



Direct driven type
steel impeller
AES2



Direct driven type, square
aluminum impeller

AF

Equipped with an explosion-
proof type motor

EAF

Equipped with increased safety
explosion-proof type motor

IEAF



Direct driven type
square, steel impeller
AF



Direct driven type
square, all stainless steel
AFSS



Tunnel ventilation fans Big log
Big log

Resin fans



FRP sirocco fan
single inlet belt driven
overhang type
KLF-OB



FRP turbo fan
single inlet belt driven
overhang type
KTF-OB



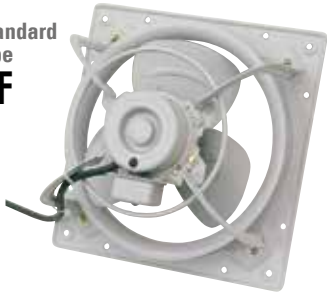
PVC axial flow fan
direct driven without
coupling
AEP

Commercial fans

Providing pressure fans, roof ventilators, air curtains, agricultural and livestock ventilation fans, and induction fans, you can find the right fan for various site among the broad selection of Teral fans.

Pressure fans

Standard type
PF



Outdoor type
WP



Equipped with an explosion-proof type motor
EPP



All stainless steel
WPS



Frameless type
TP



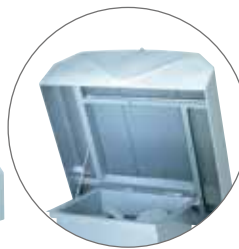
With contact switch
S



Roof ventilators



Standard exhaust type
RV
Standard intake type
RV-SA



◀Option:
Blocks for foreign substance
with bird screen
with insect screen



Lightweight exhaust type
ARV

Cross-flow fans (Air curtains)

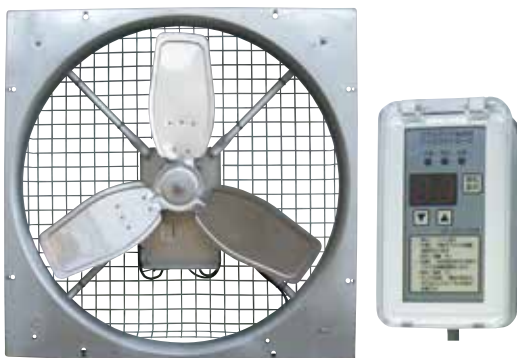
Standard type
TF (-H)



Stainless steel
TFS (-H)



Agricultural fans



Ceiling and wall mount
energy saving type

AP-DC3



Ceiling and wall mount
standard type

AP



Ceiling mount

AP-DC3-R Energy saving, round frame type

AP-R Round frame type

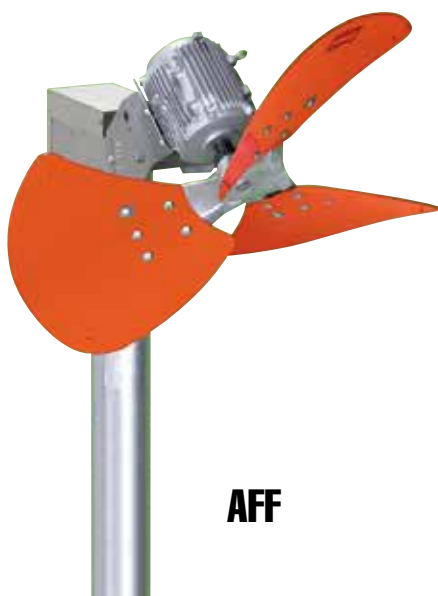


Floor type

APS-DC3 Energy saving type

APS Standard type

Frost ventilation fan



AFF

Induction fans



Standard type

SF



With three-way
nozzle

SF-t

Environmental Systems

Purification and recycle of waste water is now one of the most priority issued of the urban life. We hope to promote a sustainable recycling society by taking a total approach to preserving the future of the environment.

Water treatment systems

Providing filtration equipment and chemical liquid injection device for various applications such as baths, pools, landscapes, well water, and rainwater, we will respond to individual needs by custom design.

Filtration equipment



Sand filtration
BSF



Sand filtration
MSF3



Sand filtration
TDT2



Cartridge filtration
PFF



Strainer type
HC

Iron removal and sterilization device

TDTM



Chemical dosing equipment

PTS



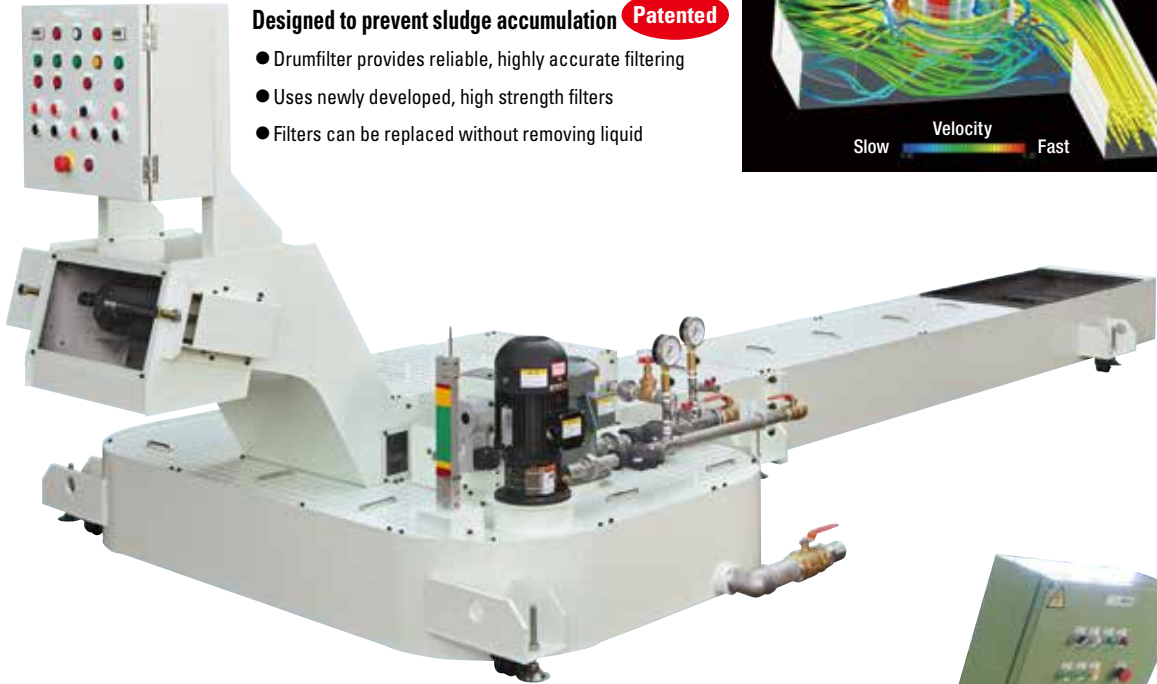
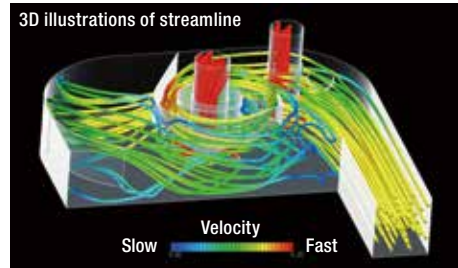
Coolant filtration equipment

Providing a lineup of coolant filtration equipment for cutting and grinding applications, we will respond to individual needs by custom design.

Drum filter type **CyClean® TDF/TDFN**

Efficient system for recovering floating oil
Designed to prevent sludge accumulation **Patented**

- Drumfilter provides reliable, highly accurate filtering
- Uses newly developed, high strength filters
- Filters can be replaced without removing liquid



Drum filter is easily replaced.



Options

Can be replaced with a range of filtration systems in case of need for even more precise filtration.

Total heat exchanger

Total heat exchanger is a way to reduce the ventilation load. We offer a wide range of products from small to large air volumes to respond to individual needs by custom design.

Floor embedded type

EU



Kitchen garbage disposal systems

Raw garbage disposal systems reduce garbage into a powder using a disposer, purify it in a treatment tank and discharge it into the sewer system. Today such systems have attracted attention for their ability to eliminate the odors and hassle of treating raw garbage while helping to conserve the environment.

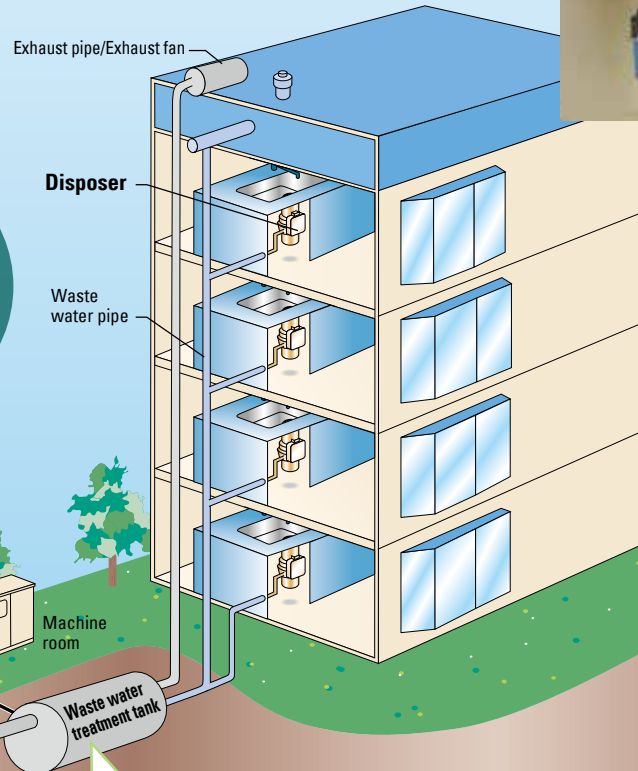
Disposers

As raw garbage can be simply placed in the disposal system and crushed with the disposer at the push of a button, it greatly reduces the burden of garbage accumulation and collection. These systems have quickly achieved widespread adoption in places such as stylish high-rise apartment buildings and commercial applications requiring hygiene control.

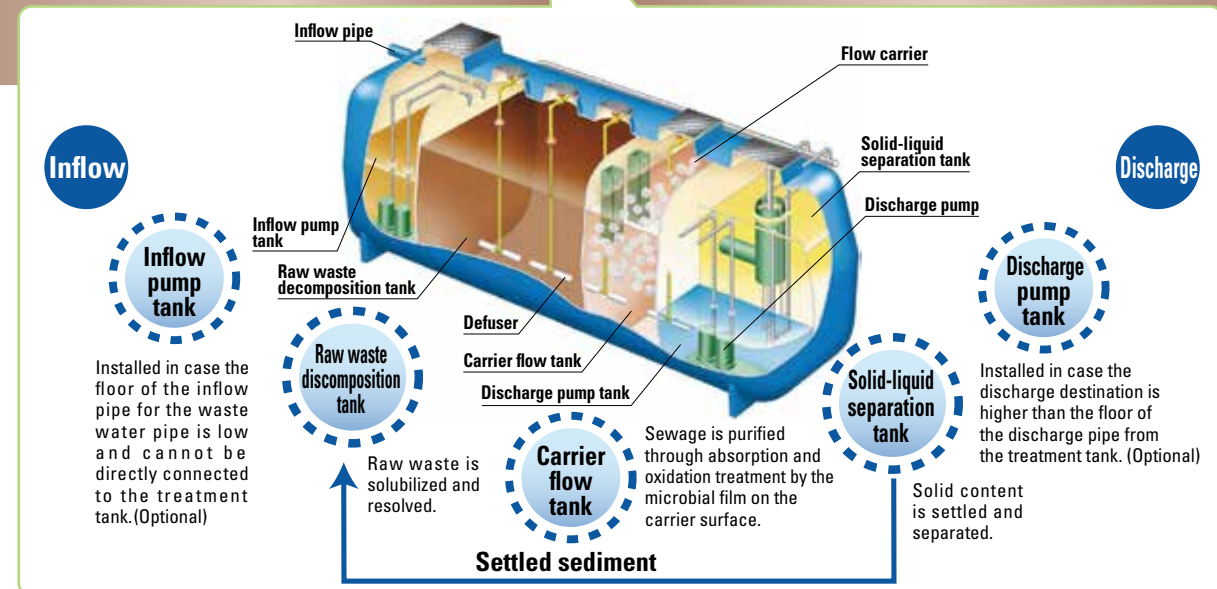


New disposer employing the industry's first jet flush system

- The amount of garbage that has to be taken out is cut in half, greatly helping housewives and the elderly.
- Eliminating the smell of kitchen garbage and leaks from garbage bags helps keep the elevators and stairs clean.
- Garbage collection points can be kept small, preventing crows, stray cats or other animals from being attracted to the site.



Released into public sewer mains or high-level domestic wastewater treatment tank



Reuse of waste water systems

Substitute clean water is produced by purifying the organic materials present in waste water using microorganisms, and reusing the water after filtration and sterilization. Wastewater reuse systems utilize this water as an intermediate water supply for applications such as toilets and fire fighting. Today the conservation of recycling-oriented water resources has attracted considerable attention from various quarters.



Pretreatment system for kitchen waste water

BT BioClean

This system purifies wastewater from kitchens, which contain highly concentrated organic pollutants and oils, to bring it up to the standards required for release into the public waste mains. Instead of the existing pressurized flotation separation system by using our unique organic treatment method called BT BioClean, a separate treatment process for sludge and scum is no longer required. This system has won greatest praise from our customers.



Solar battery pump system

This environmentally-friendly pump system runs on solar energy

- ① Clean energy production as light converted directly into electrical energy
- ② Uses renewable solar energy
- ③ No external power source required. Can be installed in any location.
- ④ Environmentally friendly, zero emissions of greenhouse gas (CO₂)
- ⑤ Using submersible pumps results in extremely low running noise



Rooftop greening system

Rooftop greening systems have drawn attention as a possible solution to the heat island effect of major cities. By combining bamboo charcoal with a rainwater collection and circulation system unique designs can be created without sacrificing ease of maintenance.



Before



After



TERAL

TERAL INC.

Head Office 230, Moriwake, Miyuki-cyo, Fukuyama-city, Hiroshima, 720-0003, Japan
Tel.+81-84-955-1111 Fax.+81-84-955-5777
www.teral.net

Teral Asia Limited

Room 1001,10/F, Olympia Plaza, 255 King's Road, North Point, Hong Kong
Tel.+852-2571-0935 Fax.+852-2571-0619

TERAL THAI CO.,LTD.

150 Moo 16 Udomsoraryuth Rd., T.Bangkrasan, A.Bangpa-In, Ayutthaya 13160 Thailand
Tel.+66-3535-2148-9 Fax.+66-3535-2150

TERAL TRADING & SERVICE CO.,LTD.

150 Moo 16 Udomsoraryuth Rd., T.Bangkrasan, A.Bangpa-In, Ayutthaya 13160 Thailand
Tel.+66-3535-2145-7 Fax.+66-3535-8549

Teral Malaysia Sdn.Bhd.

10, Jalan SS13/6A, Subang Jaya Industrial Estate, 47500, Subang Jaya, Selangor D.E, Malaysia
Tel.+60-3-5611 5775 Fax.+60-3-5612 5775

PT.Teral Indonesia Pumps and Fans

Jalan BSD Sektor XI Taman Tekno, Block G3 No.8, Setu Tangerang Selatan, Banten, Indonesia 15314
Tel.+62-21-29665778 Fax.+62-21-75673913

Teral Vietnam Limited Liability Company

Room 1306, 13th Floor, BIDV Tower, 194 Tran Quang Khai Street, Ly Thai To Ward, Hoan Kiem District, Hanoi, Vietnam
Tel.+84-24-3935-2790 Fax.+84-24-3935-2800

Teral General Machine (Shanghai) Co.,Ltd.

No.285, Yuan Qu Road(N), Bei Qiao, Min Hang District, Shanghai 201109, China
Tel.+86-21-6490-9128 Fax.+86-21-6490-9126

Teral-Aerotech Fans Private Ltd.

Plot No.188-189, Ecotech Extension-1, Surajpur Kasna Road, Greater Noida-201306, Uttar Pradesh, India
Tel.+91-9810162210, +91-9310162210

Teral Middle East F.Z.C.

1806-002, 18th floor, BB1, Mazaya Business Avenue, JLT, Dubai, UAE. PO Box 414781
Tel.+971-4369 9039

Teral Pumps & Fans North America Ltd.

Suite # 197, 800-15355 24 Ave Surrey, B.C., CANADA V4A 2H9
Tel.+1-604-839-1008