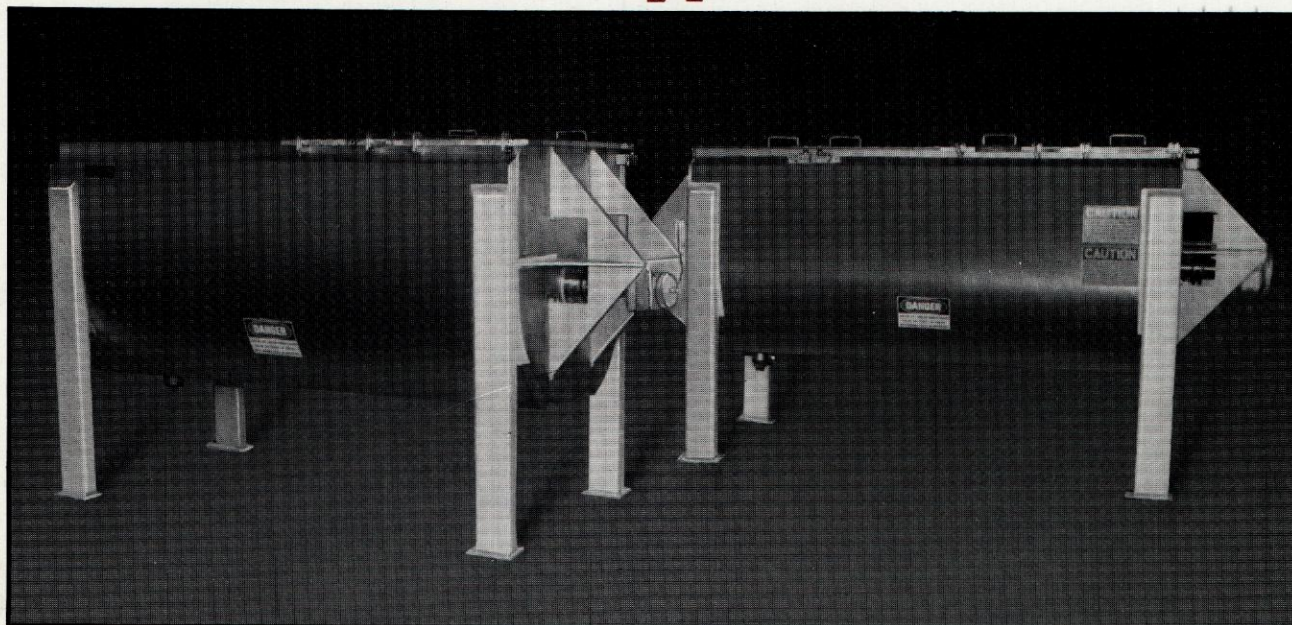


Horizontal Blenders

AMERICAN **PROCESS
SYSTEMS**

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Ribbon Blenders-Type DRB



Two APS Model DRB-55 Sanitary Ribbon Blenders with low pressure heating jackets.

American Process Systems Ribbon Blenders provide a fast, thorough, and economical means of mixing/blending a full spectrum of products. Applications include mixing, homogenizing, moistening, tempering, drying and cooking a wide variety of dry, semi-dry, paste, and slurry applications.



Skilled craftsmanship, finest quality materials, competitive prices, design flexibility, and prompt deliveries make American Process Systems the obvious choice for your blending requirements. We welcome the opportunity to develop the most suitable blender for any particular blending application.

Capacities: From one to over five hundred cubic feet per batch.

Materials and Construction:

- Carbon Steel
- Stainless Steel-Chemical Style
- Stainless Steel-Sanitary Design
- Stainless Steel-Ultra Sanitary
- Standard and Heavy Duty Construction

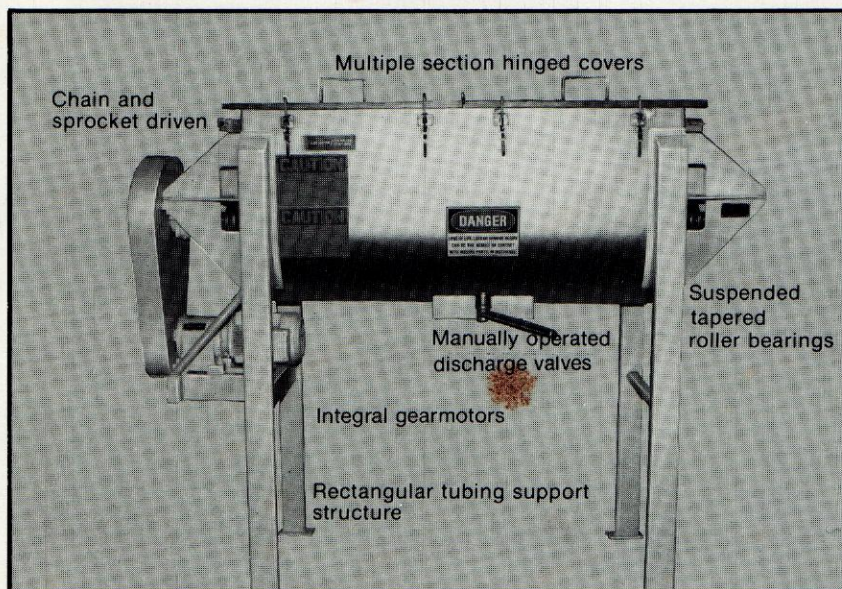
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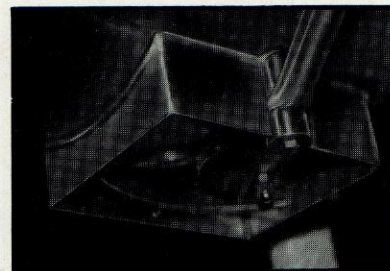
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Standard Features

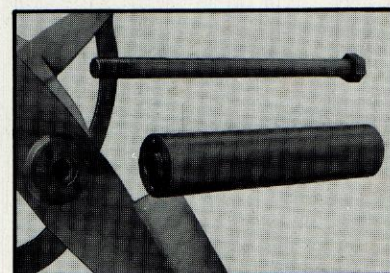


The APS Model DRB Ribbon Blenders consist of a stainless steel, "U" shaped mixing tank with a two piece, removable solid shaft agitator supported at each end by tapered roller bearing pillow blocks. About the horizontal shaft are mounted two sets of ribbons of different diameters. The spiral of the ribbons is such that the inside

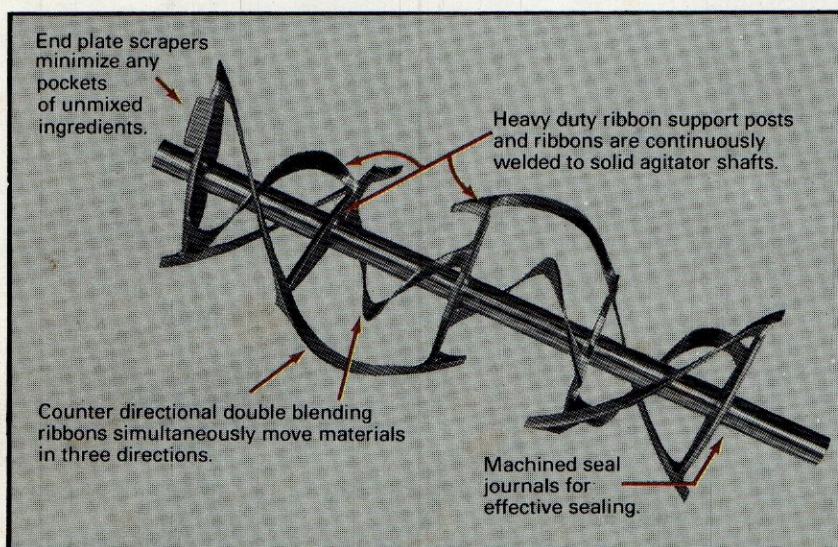
and outside ribbons pull the product in opposite directions. While the mixing action is intense and effective, the product is handled gently without any deterioration. With the addition of covers, gaskets and latches, the mixing occurs in a contained environment which is efficient, sanitary and safe.



Manually operated, dust tight pivot paddle valve with wrap-around skirt.



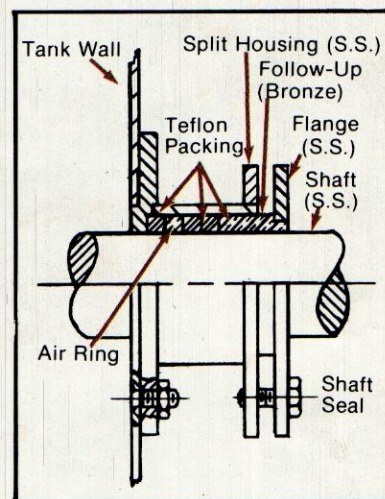
Stub shaft assembly with alignment pins allows for easy agitator removal when required.



AGITATORS

All American Process Systems Ribbon Blenders include a removable two piece solid shaft blending agitator. Triple action ribbon design insures effective and rapid dispersion of all ingredients. Heavy duty, plasma

cut ribbon support posts provide the strength necessary to start under load. Flange free construction and continuous welds ground smooth with large radii throughout add further to the structural integrity and cleanliness of these agitators.



Packing glands are provided with split, easily removed housings. Machined sections are carefully fitted together around the machined shaft journals and multiple turns of teflon packing. Air purged seals are also available when required.

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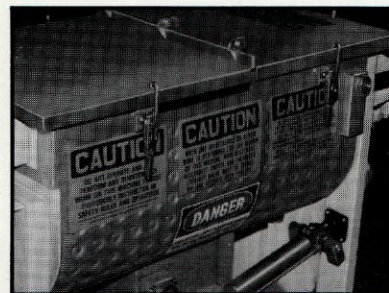
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Optional Equipment

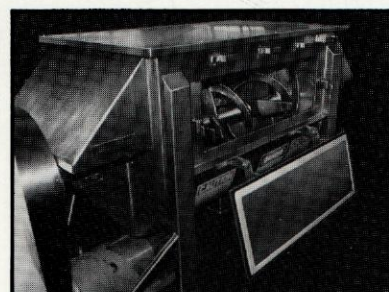


Model DRB-36 Sanitary Ribbon Blender with integral bag/drum dump cover. Bag dump

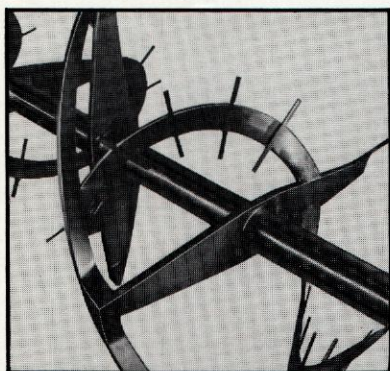
station can be vented to central dust collector or be supplied with it's own dust collector.



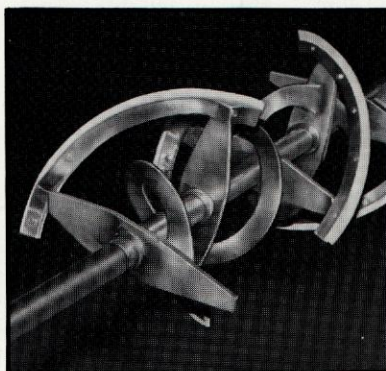
Internally baffled high and low pressure heating/cooling jackets.



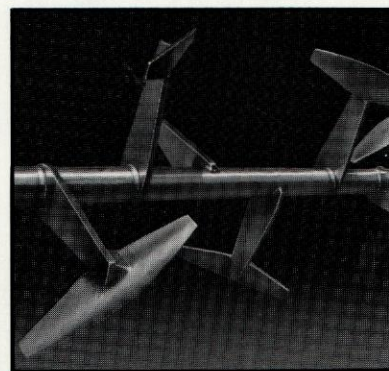
Custom designed side opening inspection/clean out doors.



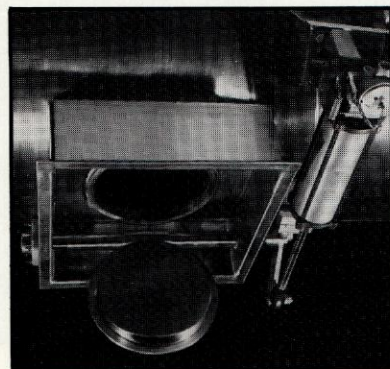
Breaker bar agitator, also available with cut-in wires.



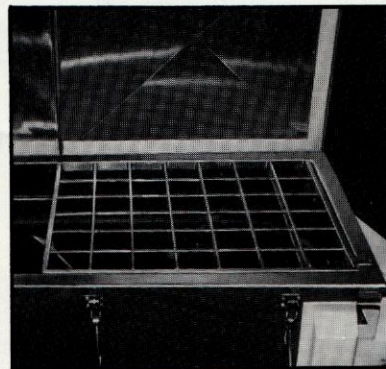
Tank wipers prevent product build-up on blender walls.



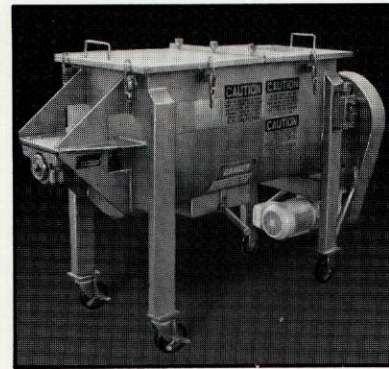
Alternate paddle agitators.



Pneumatically operated flush plug discharge valve.

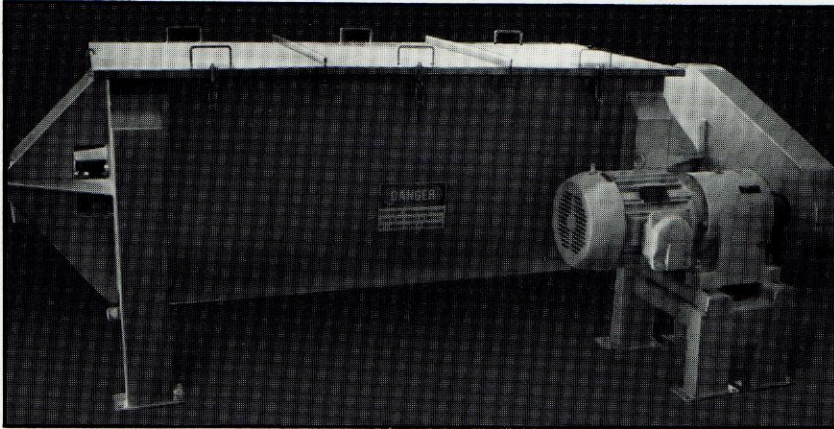


Protective grating for manual addition of ingredients.



Portable laboratory blenders.

Paddle Blenders-Type PB



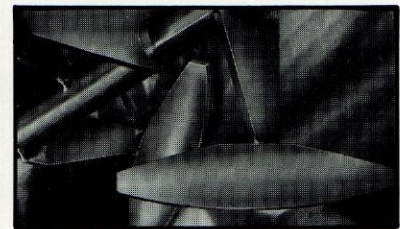
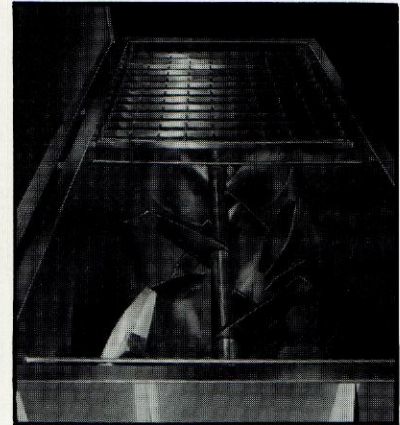
Model PB-36 Sanitary Paddle Blender with side mounted drive.

American Process Systems offers a complete line of Paddle Blenders for applications requiring thorough but gentle mixing. These units are ideal for fragile materials as well as highly abrasive products.

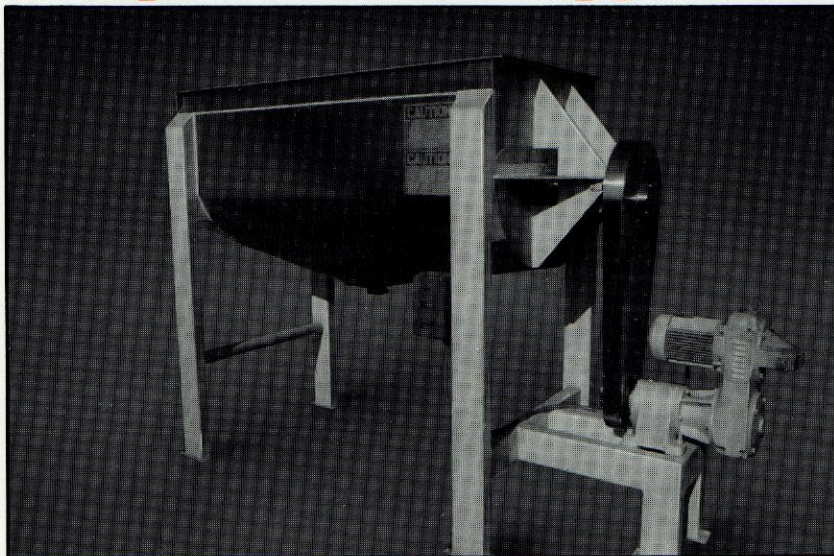
Paddle Blenders are available in carbon steel, stainless steel, and sanitary construction. Standard units are provided with

adjustable mixing paddles. Sanitary units offer fixed blades continuously welded to rugged support arms.

Paddles are radiused to gently lift and tumble the ingredients. Overlapping paddles ensure that there are no "dead spots" where unmixed materials can accumulate.



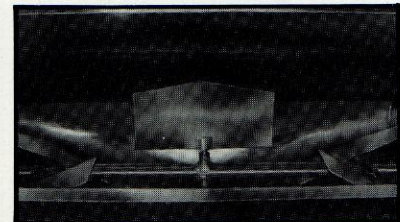
Slurry Blenders-Type SB



Model SB-36 Sanitary Slurry Blender with variable speed drive.

Slurry Blenders are designed to offer an economical alternative to high priced kettles. Ideal for blending loose slurries and for keeping solids in suspension in a liquid medium, these units

provide effective mixing, cooking, cooling, and agitation for a wide variety of applications. Applications include various sauces, salad dressings, vegetable slurries, and others.



Adjustable paddles are incorporated to gently agitate the blended product. Sloped conical bottom allows the blender to self drain for complete discharge. Pumps are easily incorporated into the system to transfer the blended product to the next processing stage.

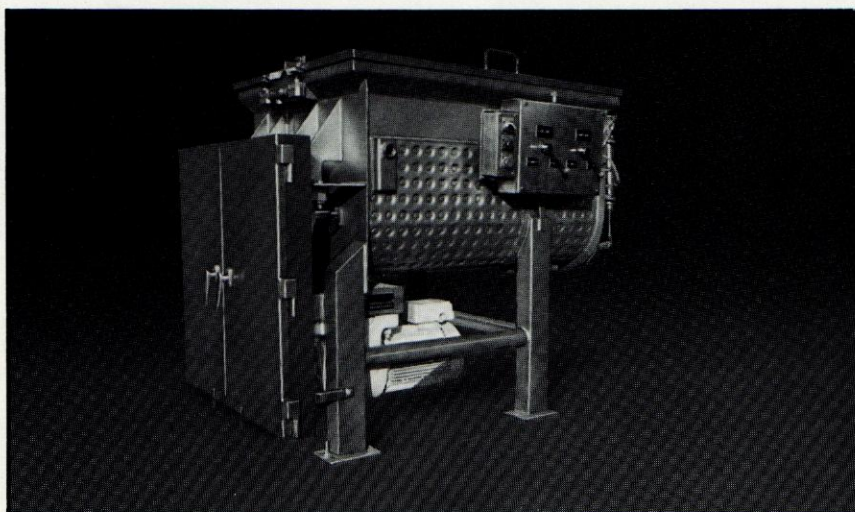
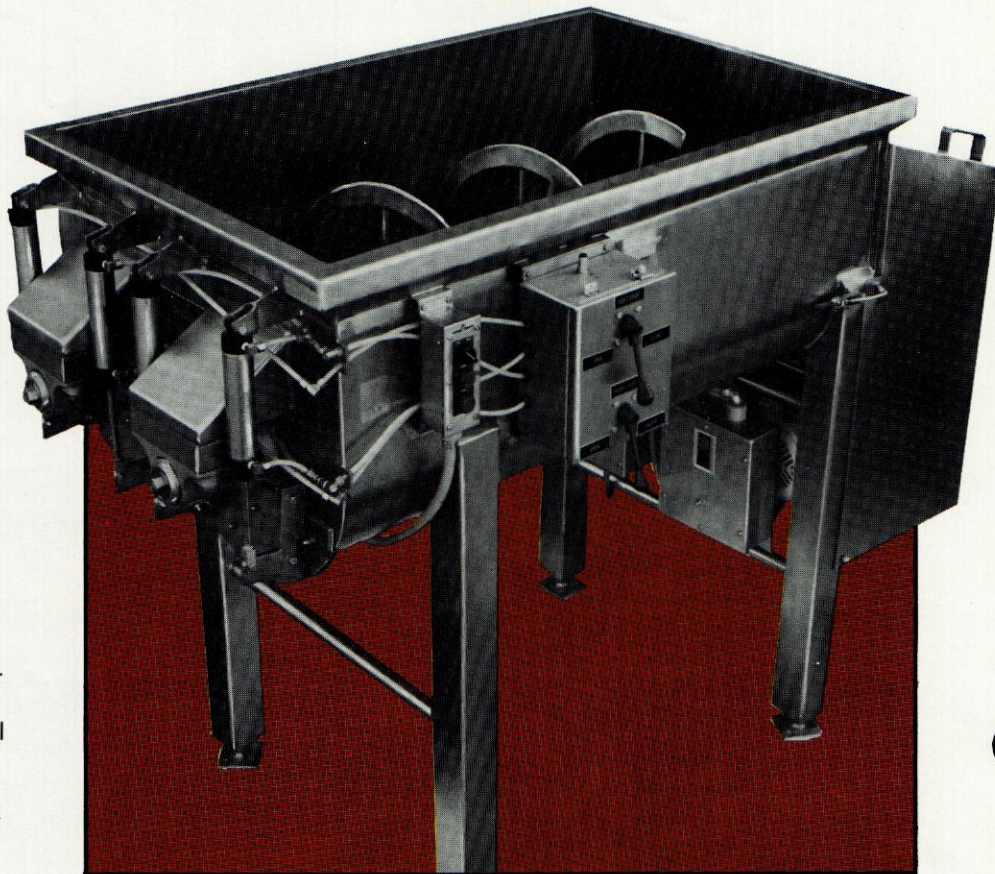
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Twin Agitator Blenders-Type SRB

American Process Systems Twin Agitator Blenders offer unique blending capabilities for a wide variety of dry, semi-dry, and paste-like products. Typical product applications include ground meat, cheese products, chocolate, peanut butter, snack foods, pet foods, doughs, and adhesives.



Model SRB-750 Sanitary Blender with high pressure steam jacket for chocolate processing.

APS Twin Agitator Blenders are ideally suited for operations requiring mixing and shearing action. Counter rotating agitators quickly and thoroughly disperse all ingredients. Varying particle sizes, densities, and formulae present no problems for these rugged, dependable and

versatile blenders. Twin Agitator Blenders are provided with a reversible agitator for rapid and complete discharge through pneumatically operated discharge gates. Options include jacketed or vacuum tanks, and direct steam injection.

Capacities: From five hundred to ten thousand pounds per batch.

Materials and Construction:

- Carbon Steel
- Stainless Steel-Chemical Style
- Stainless Steel-Sanitary

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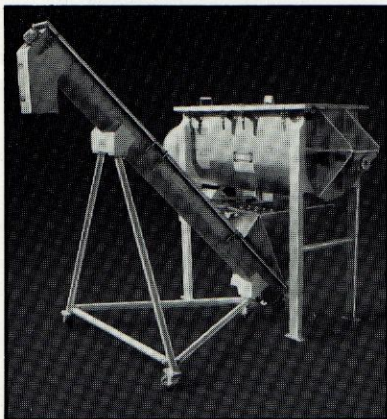


Model SRB-1000 Sanitary Blender with counter weighted cover for cheese blending/cooking.

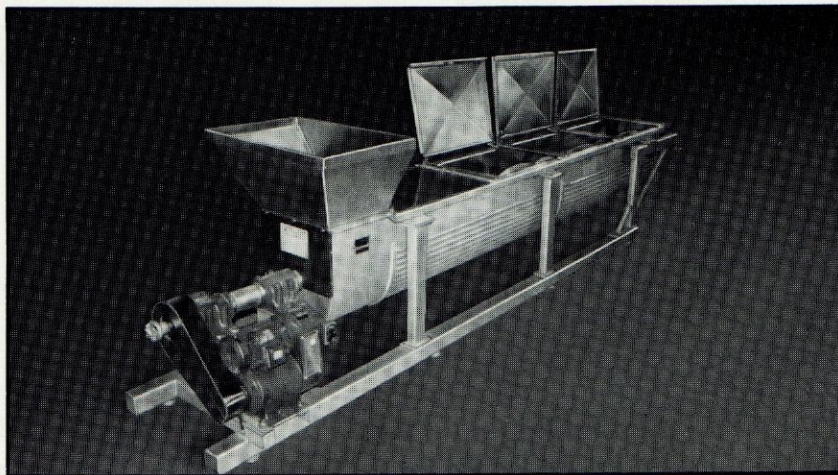
Screw Conveyors & Screw Blenders

American Process Systems offers a line of Sanitary Screw Conveyors adaptable to hundreds of material handling applications. These units are available in sizes ranging from 4" through 24" diameter and with capacities up to hundreds of cubic feet per hour. Sanitary units can be provided with "U" shaped troughs, removable covers, feed hoppers with gratings, sanitary seals, casters for portability and numerous other options. Lengths are easily altered to fit exact requirements. Please request brochure ICS-84 for further information.

Nine inch diameter Sanitary Screw Conveyor with drop bottom, removable covers, casters for portability and integral feed hopper with manual load grating.

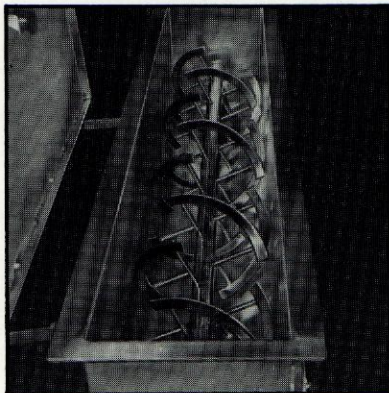


Model DRB-36 Sanitary Ribbon Blender with a Sanitary Inclined Screw Conveyor. Screw Conveyors are available in a variety of sizes for hundreds of different applications.

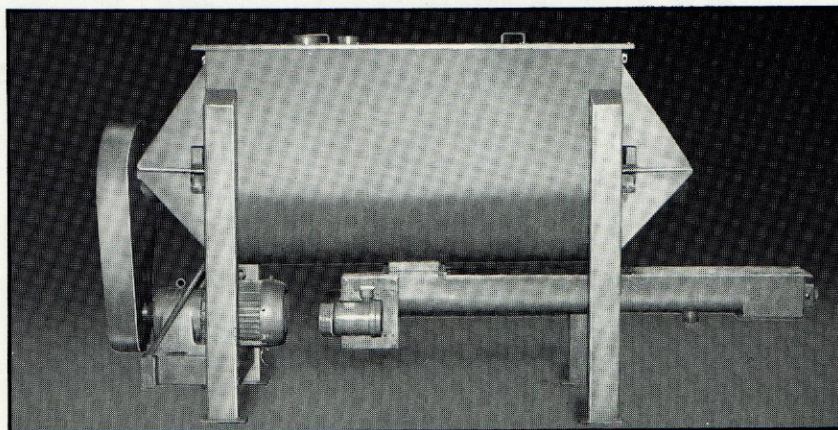


Custom built twenty-four inch diameter, eighteen foot long Mixing Screw with high pressure steam jacket, hollow

core shaft and variable speed drive illustrates fabricating capability of APS.



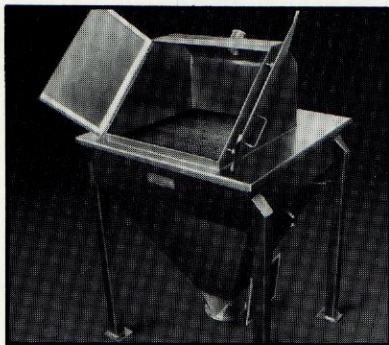
Twelve inch diameter by eight foot long Mixing Paddle Screw with jacketed trough and variable speed drive.



Model DRB-55 Ribbon Blender with take away hori-

zontal discharge screw conveyor.

Custom Fabricating



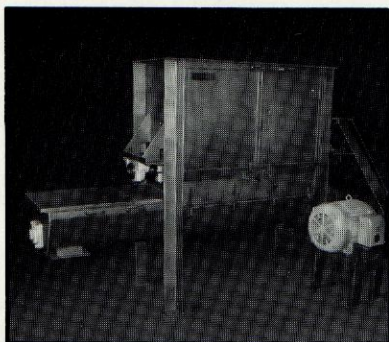
20 cu. ft. Sanitary Bag Dump Station



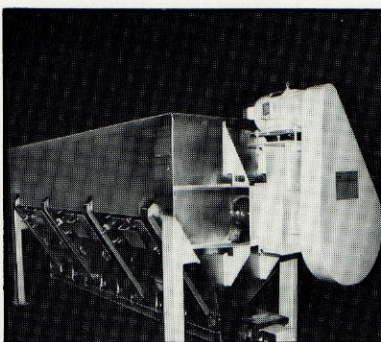
3A Dairy Approved Sanitary Cyclones



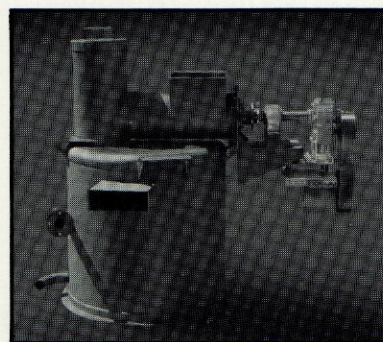
Portable Sanitary Product Carts



Sanitary Chopper with discharge screw



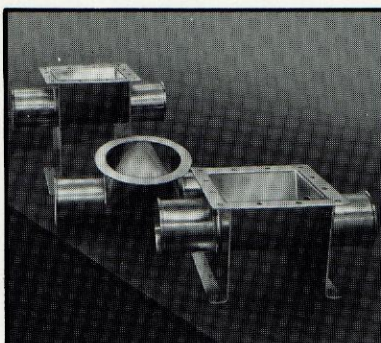
150 cu. ft. Sanitary Agitated Surge Hopper



Liquid Mixing Tanks with screw feeder



Sanitary Dust Collector Housings



Miscellaneous Sanitary Transitions and Spouting

American Process Systems prides itself on its capability to design and construct a complete line of custom material processing accessories. Past experiences have clearly indicated that all processes are not alike and successfully handled with "standard" equipment. At American Process Systems we work with you to develop and provide equipment accurately suited to your processing needs. Let our equipment and manufacturing expertise add to your material processing capabilities.

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