

Some Applications

Industry	Service	S	R	Liquids pumped
Food industries	Production of any kind of oils, Vegetable or animal fat, syrup Production of chocolate and Edible creams	✓	✓ ✓ ✓ ✓	Oils and fats Syrups and juices Chocolate Creams, mustards
Stock farming and Cattle breeding	Re-circulation Decanting Disposal Moving	✓	✓ ✓ ✓ ✓	Liquid manure Concentrated animal food Molasses Animal fats
Fodder industries Cattle feedings	Production Pouring off silos or tanks		✓ ✓	Molasses, waste syrups Vegetable and animal fats
Sugar refineries (from beets or cane)	Washing beets Production Pouring off Chalk water for clarification of juices	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	Recovering / recycling of washing water Molasses and juices Drainages (green and white) Refluxes from depuration Adding of chalk solutions after diffusers
Detergents and cosmetics	Production of intermediates Packaging Homogenizing Disposal of waste	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Liquid detergents Silicones Acid fats Sulphonic acids Slurries
Pharmaceutical industries	Production Packaging / disposal	✓ ✓	✓	Viscous liquids / oils Refluxes from depuration
Ink and printing works	Ink production Transport Feeding printing machines Recycling	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Resins Solvents / alcohols Compounds Inks Recycled solvents
Glues , adhesive tapes, stickers	Pumping of basic products Pumping into tanks Smearing on tapes or papers	✓ ✓	✓ ✓ ✓	Resins / glues Solvents Finished products
Paper mills	Charged fluids transfer Fluids after vacuum treatment	✓ ✓		Waste water / disposal Recovering of paper pulp
Leather tanning industries	Additives production Veiling machines Depuration, disposal	✓ ✓	✓ ✓ ✓	Oils and fats Paints and varnish Refluxes / waste treatments
Paints , enamels	Production Pouring off Disposal Pumping to and from tanks	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	Resins and additives Oils of any origin Water and solvents based paints Solvents of any kind (only clean ones for R) Treatment of waste solvents

Some Applications

Industry	Service	S	R	Liquids pumped
Plastic industries	Production of resins Production of solvents Pouring off silos or tanks Disposal	✓ ✓ ✓ ✓	✓ ✓ ✓	Resins Polyols and isocyanates, TDI Solvents of any kind (only clean ones for R) Treatment of waste solvents
Shipyard, on boats	On board Bilge Engines, machines Ballast Fresh water Disposal Various services on board Loading / unloading	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	Clean and disposal water Dirty and oily (sea) water Fuels, oils and gasoline Waste and charged liquids of any kind Raw oil
Harbors, wharves and warehouses	Pouring off Pumping Disposal	✓ ✓ ✓	✓ ✓ ✓	Molasses, syrups Acids or basic products Petrochemical products
Building industries	Draining excavations Sinking ground water Impermeabilization Paving machines	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	Asphalt Bitumen Fuels Ground water / waste water
Marble industries	Manufacture Depuration Disposal	✓ ✓ ✓	✓ ✓ ✓	Refrigerant for cutting machines Resins, glues Refluxes from depuration
Washing conglomerates	Washing of sand, gravel and stones Recovering of silt and sand	✓ ✓ ✓	✓ ✓ ✓	Washing water Charged fluids Refluxes from depuration
Road pavers	Continuous road paver	✓	✓	Hot asphalt and bitumen
Drilling machines	Earth drilling Feeding piston pumps	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	Water containing sand and gravel Water + cement Water + bentonite Water for piston pumps
Insulations	Winding of electric motor or Pipes	✓ ✓	✓ ✓	Resins, glues Bitumen coatings

Note: somehow, to better fulfil proposed duty, **S** pumps need particular improvements, like cutter devices, etc.