

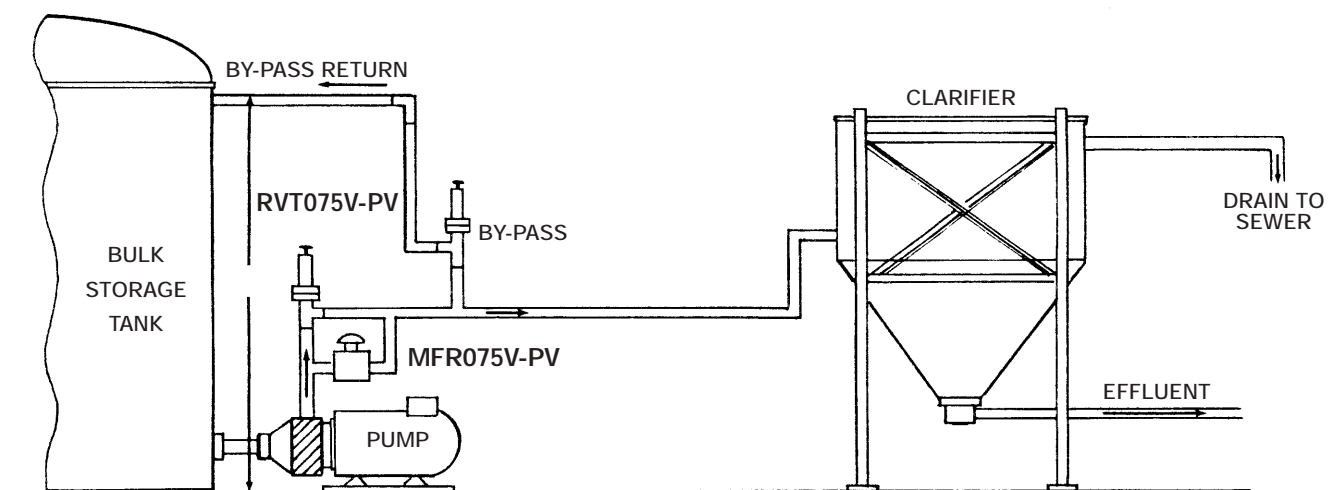
MARKET Clarifiers (Suspended Solids Separators)

PRODUCT(S) Series RVT075V-PV and MFR075V-PV

REQUIREMENT To provide anti-siphon and by-pass protection.

PROCESS FLUID(S) Various Organics

INLET PRESSURE/TEMPERATURE Gravity to 100 PSI / 72°F



A major clarifier manufacturer required a reliable, weather resistant mechanical method of preventing bulk tank siphoning when their clarifier system was down/off. Plast-O-Matic Series RVT Relief Valve was specified for its pressure set range of 5 - 100 PSI. By setting the RVT at 10 PSI, the possibility of the tank's 16' head siphoning was eliminated when the pump was off. Additionally, the maximum pressure rating of RVT was well over the pump's maximum of 100 PSI. The RVT's solid Teflon® shaft, standard stainless steel fasteners

and Fail-Dry® system offered obvious value added benefits. To further ensure system reliability, a manual spring return or "dead man" valve by-pass method was required. Plast-O-Matic spring return palm or foot operated Series MFR was selected for its high flow and compact size. The MFR Series valve eliminated the possibility of a worker accidentally forgetting to close a manual by-pass valve (i.e. ball valve) and draining the tank. The Series RVT was also specified as an emergency by-pass valve to protect the pump from "dead heading."

**NOTE:** Bulletins are intended only to show possible applications of Plast-O-Matic products and are not design recommendations for a system or its safety. See statement of limitations in front of manual.