



Pump model	: VRH350-10-800
Max flow	: 800 L /min
Stall pressure	: 10 bar

EMS
INDUSTRIES LTD

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in Tai Po STWs

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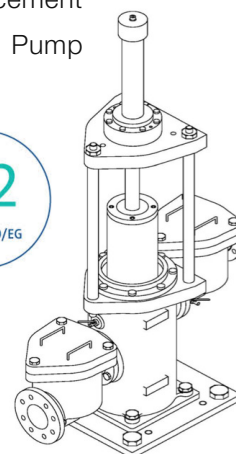
Assessment on phenol
removal performance

EMS Ram pump installation



EMS Ram pump is awarded to provide for the replacement of the existing Sludge Feed Pump. EMS (UK) Ram Pump model VRH350-10-800 including One PLC control panel for pump and Two(2) nos.

The pump is a Ram type reciprocating piston pump which is driven by a separate electrically powered hydraulic power unit. The pump and hydraulic power unit form a single integrated simplex pump set. The pump body and the valve boxes are one piece castings made from high quality, close grained cast iron. The sludge ram is manufactured from chrome alloy and is finished in a chrome oxide/cobalt coating with a hard wearing surface hardness in excess of 60°Rockwell. The sludge seals are maintenance free chevron rings that are replaceable as a service item without the removal of the sludge ram.



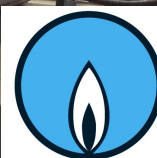
More details on operation:-

You
Tube



After 10 min

EMS Ram pump test run in Tai Po STWs , Hong Kong



煤氣
Towngas

Enviro Process
New s i e t e r

Existing Limitorque L120 actuator retrofitting to other valve applications

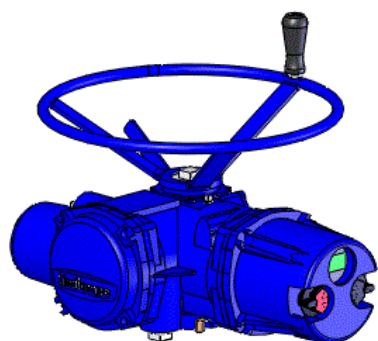
Limitorque

Offer design,
manufacture,
installation of
industrial valve
and automation
solutions

Over 200 sets Limitorque actuators supplied to Hong Kong and China Gas Tai Po plant during the conversion to Natural Gas firing. And after the project, certain locations were considered no necessary to have valve port. Thus we offer retrofitting the existing Limitorque actuator to other locations, employing extra bevel gear to change the gear ratio and torque loading.

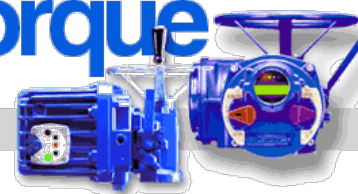
We provide technical support and solution for the reuse of Limitorque actuators to other locations and it creates reuse value of Actuator.

Limitorque MX Series with IP68 protection and non-intrusive set up ,



Limitorque
Making Valve Control Easier™

Welcome



Position setting for mechanical L120 Series
(prefer for high temperature application)



Immediate actions against Odor issue at Tai Yuen SPS

The rising main at Package 3 Sewage pumping station (大元泵房) in Tai Po development is under maintenance. A regular access recently to the rising main area due to the cleanup of the temporary sewage transfer pumps and removal of debris. The action leads to the leaking of odor from rising main chamber and during the washing up of the pumps and removing the debris.

Negative pressure was designed for immediate measures which this negative pressure uses an isolation technique to prevent odor dispersion from the

背景：

大埔一些地區的污水本經汀角路地下的污水管排走，但因有水管滲漏而停用，渠務署須在怡雅苑旁的大元泵房，裝建多台臨時水泵應用，但每天挖起和清洗污水泵的沉積物，引發惡臭。受影響的民居，以大元泵房旁邊的怡雅苑及新興花園，其中圍繞泵房的四棟大廈、共1,200戶首當其衝，估計影



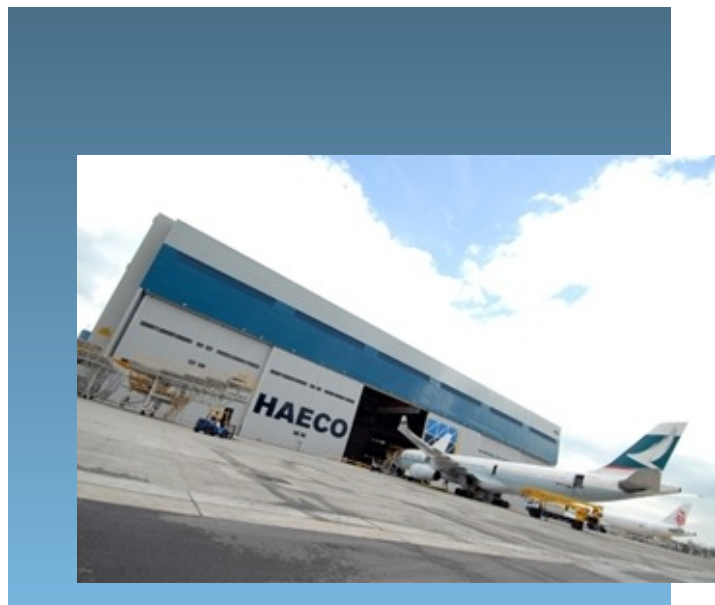
Problems and remedy plan

It is found that during maintenance period when the enclosure is opened, the negative pressure effect is diminished, the foul air diverting via axial blower and while it is transferring the odour foul air from chamber to another discharge point, odour is emitted to outdoor. The concentration would be as high

For remedy actions, they are enlisted :-

1. To enclose the access area such that odour source cannot leak to the outside when the mobile crane is accessing to the rising main chamber for lifting the pump and cleaning debris.
2. While the air is taken up from the chamber to create negative pressure, the foul air must go through an activated carbon tower for deodorization process.
3. The treated air after the deodorization, will be forwarded to the upstream screw pump area which is also enclosed to ensure there is no chance of leaking of the residue to the outdoor.
4. A proper management of access of chamber and ensure negative pressure.





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investigate the influent and effluent

Figure 1.1 Waste Water Treatment Process Diagram