

# Beihai Thermal Power Plant Heat Pump Station



Installation Model:



3 x Vulcan X-Pro 1

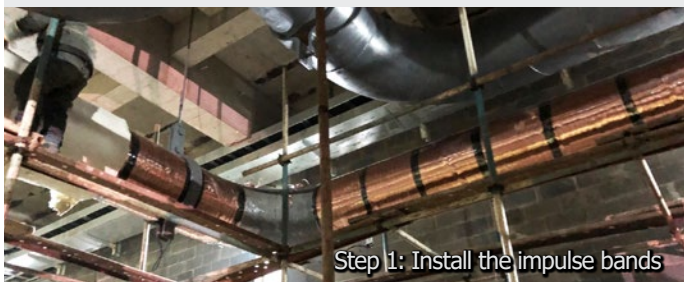
1 x Vulcan X-Pro 2

Installation Project: A New heat pump station

Installed by: Dalian Jiayifang Water Technology

## **X-Pro 1 for low temperature water network :** *circulating water system in Beiwang Station*

DN600, water flow 2600 m<sup>3</sup>/h, installed on the inlet pipe of the plate heat exchanger to prevent scale from reducing heat exchange efficiency.



Step 1: Install the impulse bands



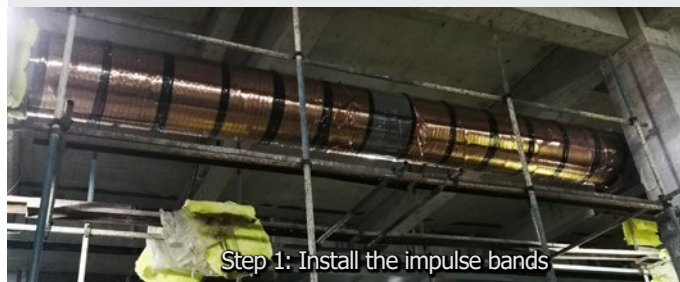
Step 2: Pipe wrapped insulation cotton, then install X-Pro 1 unit

Installation purpose:

The heating system in the original heat pump station has serious scaling problems and the heat pump efficiency is reduced, which can not meet the heating demand. Therefore, the Vulcan X-Pro series were installed in the newly built heat pump station to protect the heat pump system and prevent the scale from reducing the heat exchange efficiency.

## **X-Pro 1 for heating network :** *circulating cooling water system in Donggang Station*

DN700, water flow 2949 m<sup>3</sup>/h, installed on the water inlet pipe of the heat pump to protect the inside heat exchanger, also to prevent scale from reducing heat exchange efficiency.



Step 1: Install the impulse bands



Step 2: Pipe wrapped insulation cotton, then install X-Pro 1 unit

## **X-Pro 1 for heating network :** *circulating cooling water system in Central Station*

DN700, water flow 2949 m<sup>3</sup>/h, installed on the water inlet pipe of the heat pump to protect the inside heat exchanger, also to prevent scale from reducing heat exchange efficiency.



## **X-Pro 2 for condenser :** *circulating cooling water system*

DN1000, water flow 6700 m<sup>3</sup>/h, installed on the water inlet pipe of the heat pump to protect the inside heat exchanger, also to prevent scale from reducing heat exchange efficiency.



Step 1: Install the impulse bands



Step 2: Outdoor installation, pipe wrapped insulation cotton, X-Pro 2 unit into the protective box