

Retreiving a pressure action

Service Description

Service ID: *"get-pressure-action"*

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1 Overview

This document describes the get-pressure-action service and its function.

1.1 How This Service Is Meant to Be Used

The pressure action service returns a PressureActionResponse containing an action for the consumer to take. The action is based on the most recent pressure reading. If the pressure value is above the pressure threshold then the action will be to "Open pressure relief system", otherwise the action will be "None".

2 Service Interface

This section lists the function exposed by the service. The abstract function is named after the "function" with the return value after the colon.

2.1 function **get-pressure-action () : PressureActionResponse**

This function is called in order to get a action to take based on the current reactor pressure level.

3 Information Model

Here the RodInsertionResponse object will be described with its fields and types.

3.1 Object **PressureActionResponse**

Field	Type	Description
pressureAction	string	Action for consumer to take in order to keep pressure in balance.
pressureValue	integer	Reactor pressure the pressureAction is based on.
pressureScale	string	Scale of the pressure value.