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Edvin Lindholm	**RELEASE**
Contact	Page
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Get pressure action
Interface Design Description

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

Abstract

This document descirbes the service used to get a pressure action for the consumer to perform. At the moment only two pressure actions can be returned, "None" and "Open pressure relief system". The value is returned as a string

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1 Overview

A service for fetching a pressure action for the consumer to perform. The pressure action returned depends on the most recent pressure reading, if the pressure value is above the pressure limit the string "Open pressure relief system" will be returned. Otherwise "None" will be returned. The service returns an pressure action response object, see Section 2 for more information.

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2   Service Interface

This section contains the service interface with an example response.

2.1   GET /pressure-action

Function: get-pressure-action

Called to receive a pressure action response object as described in Listing 1.

```
1  GET /latest-pressure HTTP/1.1
2  {
3      "pressureReading": 500,
4      "pressureScale": "MPa",
5      "pressureAction: "Open pressure relief system",
6  }
```

Listing 1: Example of a response from the pressure-action endpoint.

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3   Information Model

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

3.1   Object PressureAction

Field	Type	Description
pressureReading	integer	The value of the pressure reading
pressureScale	string	Scale of the pressure value.
pressureAction	string	Action for the consumer to take.