

1. セミアクティブダンパー 小型電子制御バルブ

Semi-active damper: compact electronically controlled valve

研究段階
Research

先行開発
Advanced
Development

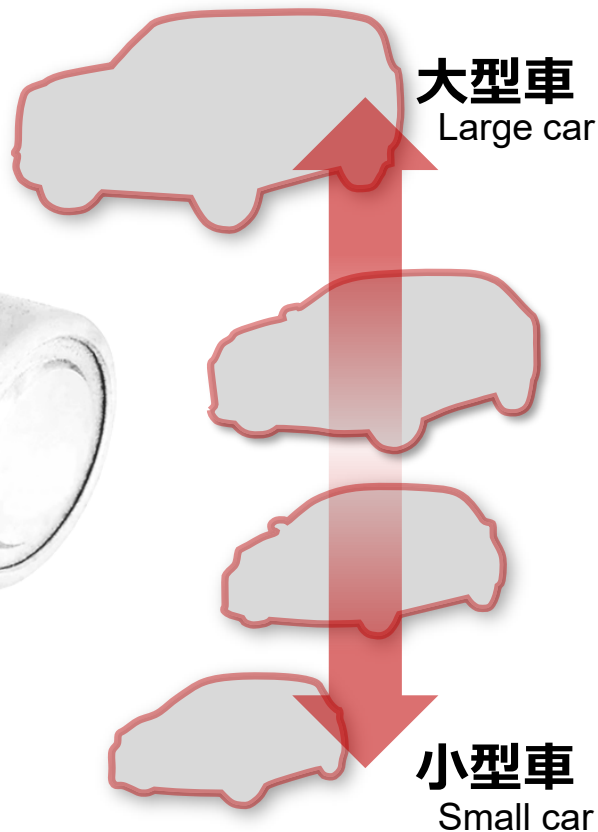
量産開発
Mass Production
Development

量産
Mass
Production

HITACHI
Inspire the Next

✓ 高い応答性と減衰力可変幅を持つコンパクトな電子制御バルブ

Compact electronic control valve with high responsiveness and wide range of variable damping force



機能 Function

**従来ダンパーの高性能はそのままに
コンパクト化を実現**

搭載性に優れた電子制御バルブ

An electronically controlled valve that maintains the high performance of the previous damper while realizing compactness and good mountability

**小型車から大型車まで
幅広い範囲の車種に対応**

Compatible with a wide range of cars, from small to large cars

2. セミアクティブダンパー 小型電子制御バルブ の特長

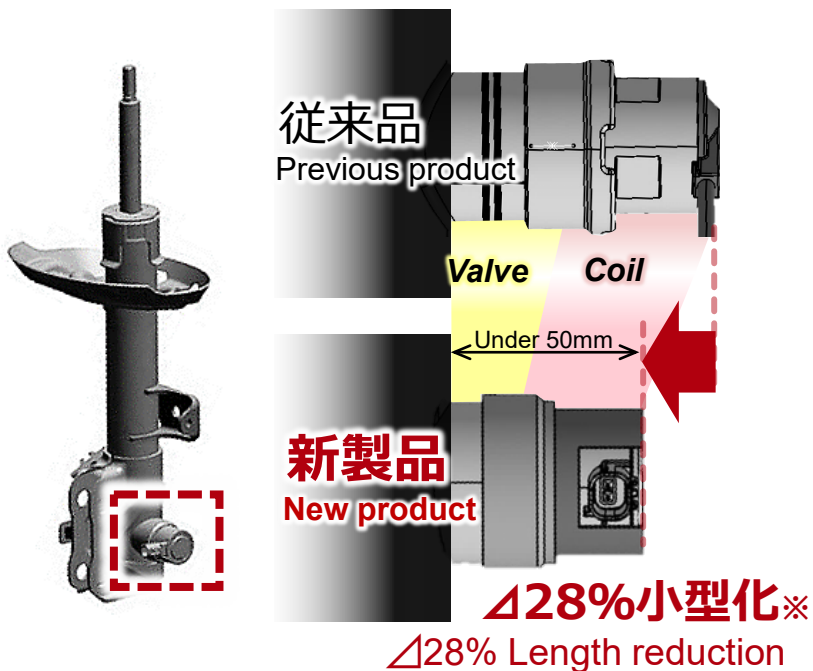
Features of Semi-active damper: compact electronically controlled valve

✓ 従来性能を維持しつつコンパクトな構造で小型車でも大型車同等の減衰性能を提供

Achieves compact structure while maintaining previous performance. Providing the damping performance of a large car even in a small car.

電子制御バルブのコンパクト化

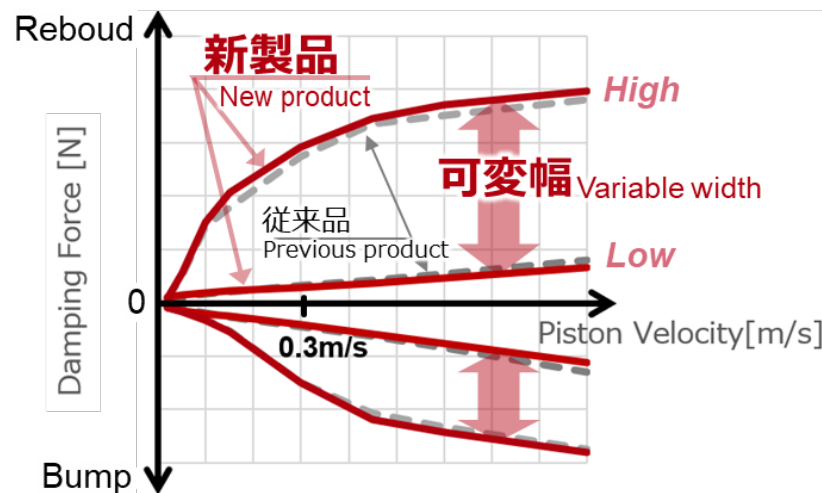
Realized compact electronic control valve



※PAT.WO2021/161980

減衰力可変性能 同等以上を維持

Variable damping force performance remains the same or better



特長/性能 Features/performance

Astemo独自のコイル設計により 小型化しながら電磁推力を向上

Astemo's unique coil design improves electromagnetic thrust while downsizing

さらにバルブのパーツ構成を見直し 従来品同等以上の性能を提供

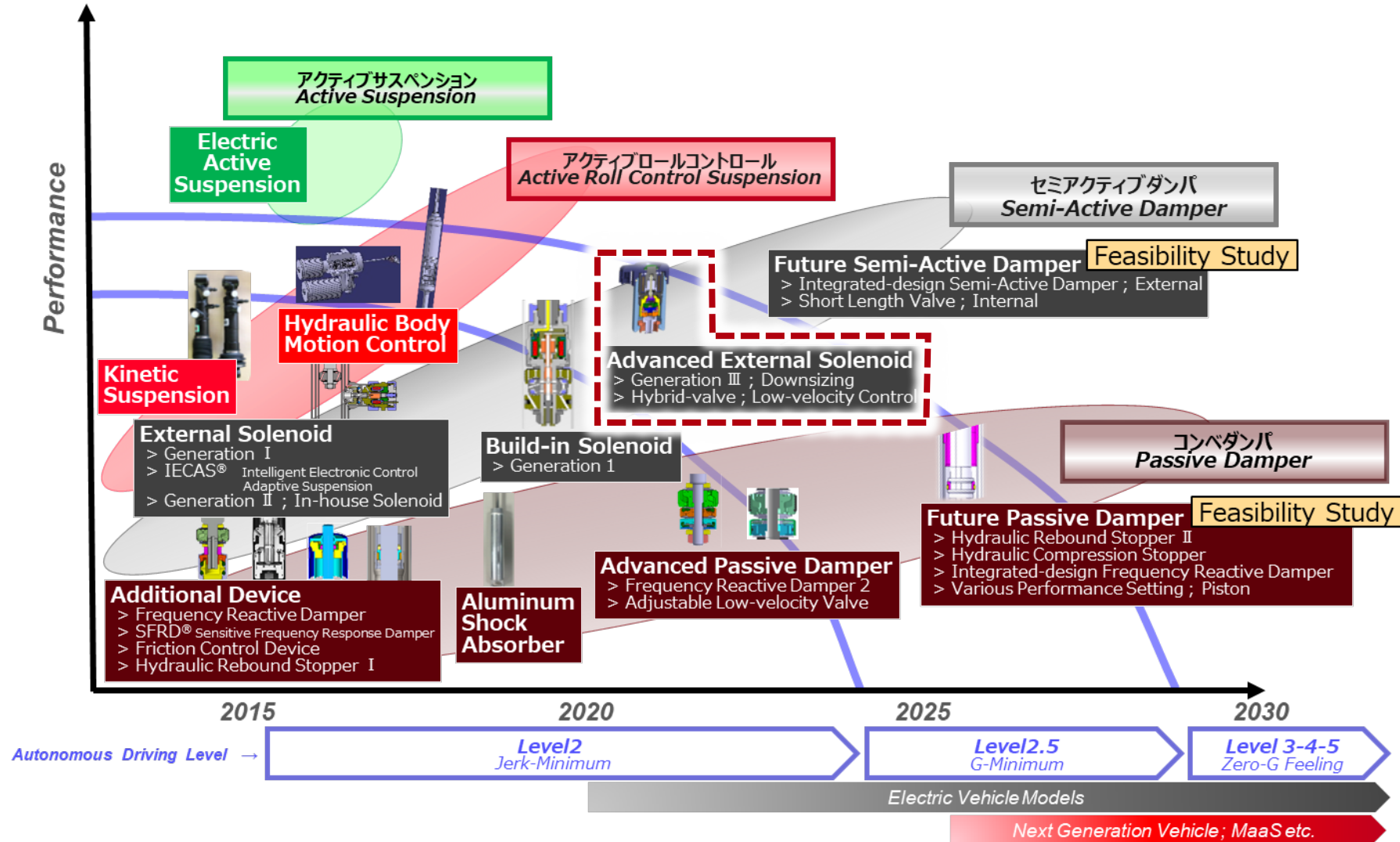
The parts configuration of the valve has been reviewed to provide performance equal to or greater than that of previous products

3. セミアクティブダンパー 小型電子制御バルブ ロードマップ

Semi-active damper: compact electronically controlled valve roadmap

✓ 乗り心地と操安性を両立できる高機能化・・・”究極はアクティブサスペンション”

High functionality that can achieve both ride comfort and maneuverability. "The ultimate is "active suspension"



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