Eaton Char-Lynn has been in the steering business for decades. In fact, we invented hydraulic steering solutions and continue to be today’s leader, with millions of units distributed and millions of satisfied customers. A few things haven’t changed in the decades we’ve led this industry: our ability to maintain a staff of the best engineers in the industry and our ongoing commitment to every customer. It’s this commitment that results in better products.

We’re responsive, using your feedback to create superior steering systems. This customer orientation is the reason we offer better choices. We have the most comprehensive product line. And, within each product family, we offer more options. More options mean you get just the steering solution you need. It’s also the reason we care about your business and building lifelong relationships. We know you will be using our products for a long time. And, we want that experience to be good. So you keep coming back. We treat each product and each application as a new project, a new challenge, which means we provide better support.

We’re more than a component sales organization. We sell systems. And, we think it’s important to make sure our products work the way they are expected to. The way you expect them to.

Better Products.
Better Choices.
Better Quality.
Better Support.
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Better Products.
Better Choices.
Better Quality.
Better Support.
Eaton’s patented VersaSteer™ technology provides the functionality of operator selectable dual steering systems/modes with one integrated steering control unit. An Eaton Series 10 or 20 steering control unit equipped with VersaSteer technology, dramatically increases productivity and operator satisfaction, while reducing fatigue and effort (up to 85%).

**Benefits**
- Provides steering system cost savings by eliminating the need for a separate joystick system.
- Same function is accomplished with the steering wheel by selecting “Quick Steer”.
- Increases operator satisfaction and productivity by reducing wheel turning effort.
- Easy to operate.

**Target Platforms**
- Articulated Wheel Loaders
- Telehandlers
- Log Skidders
- Tractors
- Articulated Dump Trucks
- Sweepers
- Graders
- Pavers

**Features**
- Dual steering modes in one integrated steering control unit.
- Operator selects “Metered Steering” (traditional hydrostatic steering) or “Quick Steering” (gerotorless).
- Compact and versatile design for tight space constraints.
- High pressure rating and flow capabilities.
- Compatible with current steering options.
- Easy retrofit to existing vehicles.
- Proven base technology. Eaton’s VersaSteer technology leverages the industry proven Eaton Series 10 and Series 20 steering control and accelerator packages, further to bring this innovative technology to the marketplace.
- Easy one-touch switch.

**Why VersaSteer?**
Dual operator-selectable Metered and Quick Steering modes in one compact steering control unit. These modes dramatically improve productivity and the overall steering experience. Quick Steering Mode can also provide emergency steering in the event of power loss. Quick Steering mode is used in environments where the operator performs fast turns repeatedly, dramatically reducing effort and the work cycle.

**Features**
- Metered Steering Mode
  - The steering unit operates the same as a traditional hydrostatic steering control unit. Steering (flow) is a function of steering wheel rotations. Metered steering provides precise, responsive and smooth steering due to the wide angle feature specifically designed for articulated vehicles. This increased definition reduces grief, resulting in reduced acceleration and jerks.
- Quick Steering Mode
  - This mode produces a shocking effect, enabling the operator to put the vehicle in full lock in seconds by仅转几度方向盘. This mode functions by blocking the flow of hydraulic oil to the gerotor with a directional valve. Steering is accomplished by deflecting the steering wheel (±15° for Series 10 and ±30° for Series 20) results in controlled flow to full steering flow.

**Efficient Target Platforms**
- Articulated Dump Trucks
- Motor Graders
- Telescopic Handlers

**Efficient Features**
- 1.5:1 (Series 10)
- 2.5:1 (Series 20)
Eaton’s patented VersaSteer™ technology provides the functionality of operator selectable dual steering systems/modes with one integrated steering control unit. An Eaton Series 10 or 20 steering control unit equipped with VersaSteer technology, dramatically increases productivity and operator satisfaction, while reducing fatigue and effort (up to 85%).

**Why VersaSteer?**

Dual operator-selectable Metered and Quick Steering modes in one compact steering control unit. These modes provide flexibility to dramatically improve productivity and the overall steering experience. Metered Steering mode can be used for normal driving or roading. This mode can also provide emergency steering in the event of power loss. Quick Steering mode is used in environments where the operator performs fast turns repeatedly, dramatically reducing effort and the work cycle.

**Benefits**

- Provides steering system cost savings by eliminating the need for a separate joystick system.
- Same function is accomplished with the steering wheel by selecting “Quick Steer”.
- Increases operator safety and productivity.
- Features operator safety and effort as the amount of wheel turning will be greatly reduced.
- Operate can now do their job efficiently, with less physical strain.
- Easy to operate.

**Target Platforms**

- Articulated Wheel Loaders
- Telehandlers
- Log Skidders
- Trackers
- Articulated Dump Trucks
- Sweepers
- Graders
- Pavers

**Features**

- Dual steering modes in one integrated Steering Control Unit (SCU).
- Operator selects “Metered Steering” (traditional hydrostatic steering) or “Quick Steering” (gerotorless).
- Compact and versatile design for tight space constraints.
- High pressure rating and flow capabilities.
- Compatibility with current steering options.
- Easy retrofit to existing vehicle.
- Proven base technology.
- Eaton patented VersaSteer technology brings the industry proven Eaton Series 10 and Series 20 steering control unit architecture further to bring this innovative technology to the marketplace.
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- Proven base technology.
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**Target Platforms**

- Articulated Wheel Loaders
- Telehandlers
- Log Skidders
- Trackers
- Articulated Dump Trucks
- Sweepers
- Graders
- Pavers

**Series 10 Steering Control with VersaSteer**

**Metered Steering**

This mode produces a steering effect, making the operator feel like the vehicle is full turn while only using the steering wheel (±15° for Series 10 and ±50° for Series 20) and the turn radius is greatly reduced. This mode provides the impression of being more maneuverable. The flow of hydraulic oil to the gerotor with a 1:1 pressure ratio is accomplished by deflecting only the spool and steering speed (flow) is a function of steering wheel angle. The steering wheel (±50° for Series 10 and ±50° for Series 20) results in controlled flow, transitioning to full steering flow.

**Quick Steering**

This mode produces a steering effect, making the operator feel like the vehicle is full turn while only using the steering wheel (±15° for Series 10 and ±50° for Series 20) and the turn radius is greatly reduced. This mode provides the impression of being more maneuverable. The flow of hydraulic oil to the gerotor with a 1:1 pressure ratio is accomplished by deflecting only the spool and steering speed (flow) is a function of steering wheel angle. The steering wheel (±50° for Series 10 and ±50° for Series 20) results in controlled flow, transitioning to full steering flow.

**For Repeated Fast Turns...**

Quick Steering

For Repeated Fast Turns...

This mode produces a steering effect, making the operator feel like the vehicle is full turn while only using the steering wheel (±15° for Series 10 and ±50° for Series 20) and the turn radius is greatly reduced. This mode provides the impression of being more maneuverable. The flow of hydraulic oil to the gerotor with a 1:1 pressure ratio is accomplished by deflecting only the spool and steering speed (flow) is a function of steering wheel angle. The steering wheel (±50° for Series 10 and ±50° for Series 20) results in controlled flow, transitioning to full steering flow.

**Efficient**

- Easy one-touch switch.
- Compact and versatile design for tight space constraints.
- High pressure rating and flow capabilities.
- Compatibility with current steering options.
- Easy retrofit to existing vehicle.

**Revolutionary**

- Eaton patented VersaSteer™ technology provides the functionality of operator selectable dual steering systems/modes with one integrated steering control unit. An Eaton Series 10 or 20 steering control unit equipped with VersaSteer technology, dramatically increases productivity and operator satisfaction, while reducing fatigue and effort (up to 85%).

**Versatile**

- Dual steering modes in one integrated Steering Control Unit (SCU).
- Operator selects “Metered Steering” (traditional hydrostatic steering) or “Quick Steering” (gerotorless).
- Compact and versatile design for tight space constraints.
- High pressure rating and flow capabilities.
- Compatibility with current steering options.
- Easy retrofit to existing vehicle.
- Proven base technology.
- Eaton patented VersaSteer technology brings the industry proven Eaton Series 10 and Series 20 steering control unit architecture further to bring this innovative technology to the marketplace.
- Easy one-touch switch.
Eaton's patented VersaSteer™ technology provides the functionality of operator selectable dual steering systems/modes with one integrated steering control unit. An Eaton Series 10 or 20 steering control unit equipped with VersaSteer technology, dramatically increases productivity and operator satisfaction, while reducing fatigue and effort (up to 95%).

**Why VersaSteer?**

Dual operator-selectable Metered and Quick Steering modes in one compact steering control unit. These modes provide increased flexibility to dramatically improve productivity and the overall steering experience. Metered Steering mode can be used for normal driving or roading. This mode can also provide emergency steering in the event of power loss. Quick Steering mode is used in environments where the operator performs fast turns repeatedly, dramatically reducing effort and the work cycle.

**Features**

- Dual steering modes in one integrated steering control unit
- VersaSteer technology
- Compact and versatile design for tight space constraints
- High pressure rating and flow capabilities
- Compatible with current steering options
- Easy retrofit to existing vehicles
- Metered Steering mode
  - Traditional hydrostatic steering
  - Series 10
  - Series 20
- Quick Steering mode
  - Gerotorless
  - Series 10
  - Series 20
- Proven base technology
-VersaSteer technology uses the industry proven Eaton Series 10 and Series 20 steering control unit architecture and takes it a step further to bring this innovative technology to the marketplace.

**Target Platforms**

- Articulated Wheel Loaders
- Telehandlers
- Log Loaders
- Tractors
- Articulated Dump Trucks
- Sweepers
- Graders
- Pavers

**Benefits**

- Provides steering system cost savings by eliminating the need for a separate joystick system.
- Same function is accomplished with the steering wheel by selecting “Quick Steer”.
- Increases operator satisfaction by producing a predictable feel at the steering wheel based on the amount of wheel turning.
- Quick Steering mode is used in environments where the operator performs fast turns repeatedly, dramatically reducing effort and the work cycle.

**Series 10 Steering Control with VersaSteer**

**Metered Steering**

This steering mode provides traditional hydrostatic steering control, with the steering flow being a function of steering wheel position. The steering control consists of a valve for the high pressure flow, a variable displacement pump, a directional valve, and a flow control.

**Quick Steering**

This mode produces a stunning effect, enabling the operator to put the vehicle full lock while only turning the steering wheel a few degrees in either direction. This provides the impression of being more maneuverable. The steering control unit consists of a directional valve, a flow control, and the high pressure steering flow. The steering wheel control provides the impression of being more maneuverable. The steering control unit consists of a directional valve, a flow control, and the high pressure steering flow.
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