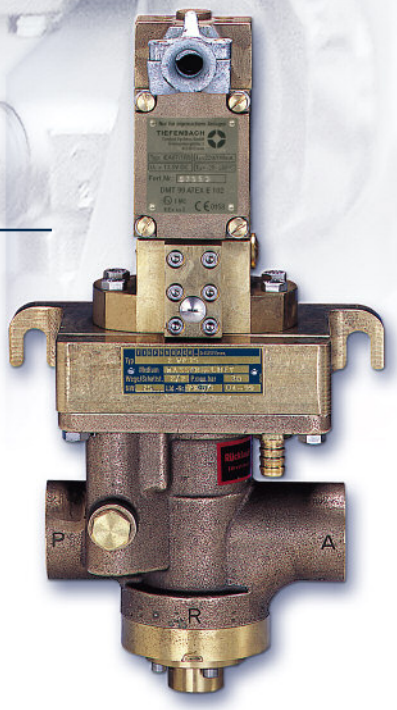
TIEFENBACH
Control Systems GmbH

We give
impulses >>>



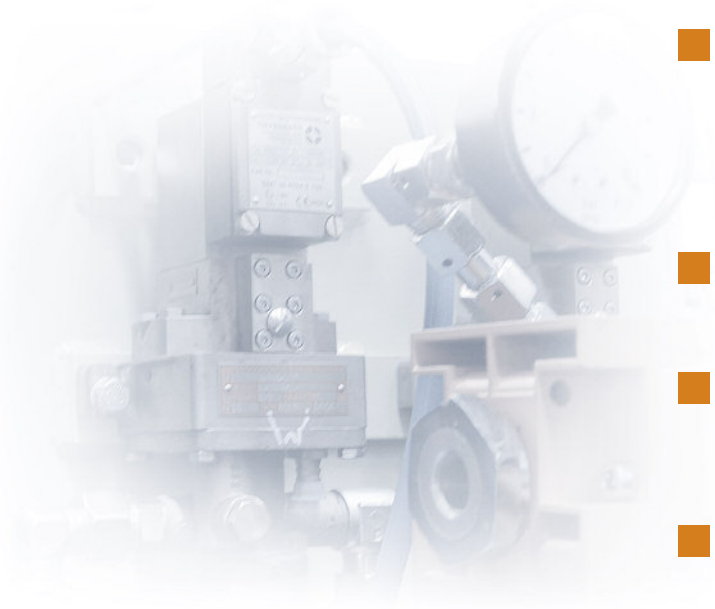
DIRECTIONAL CONTROL VALVES

FOR A SAFE SWITCHING STRUCTURE
OF HYDRAULIC CIRCUITS

- 2W../iEA07
- 2W../iEA09
- 2W..H/iEA09
- 3W../iEA07
- 3W../iEA09
- 3W..H/iEA09
- 4W../iEA07
- 4W../iEA09
- 4W..H/iEA09

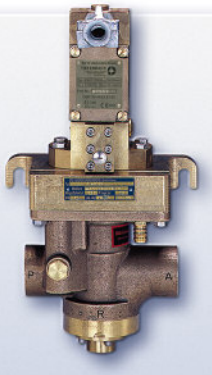
THE DIRECTIONAL CONTROL VALVES
OF TIEFENBACH CONTROL SYSTEMS...

>>> HAVE BEEN ESPECIALLY DEVELOPED FOR A SAFE SWITCHING STRUCTURE OF HYDRAULIC CIRCUITS AND TO SUPPORT PROCESS OPTIMIZATION EFFORTS



- The hydraulically or pneumatically piloted directional control valves are seated valves with different switching options and port sizes. The directional control valves are equipped with an additional facility for manual operation and some types come provided with an optical valve control indication and self-locking feature.
- The corrosion-resistant materials of the components and the rugged construction allow to use the valves also in harsh environments.
- Pilot-operation is effected via intrinsically safe solenoid valves whose components are largely embedded in cast resin in order to ensure adequate safety with respect to explosion protection.
- All solenoid valves are certified according to Directive 94/9/EC (ATEX).

>>> TIEFENBACH CONTROL SYSTEMS OFFERS OPTIMUM SOLUTIONS FOR THE MOST VARIED HYDRAULIC PROCESS CONTROL APPLICATIONS



positive; normally closed (NC)
negative; normally open (NO)

2-WAY VALVE

2W../iEA07

DN 10 to DN 50, self-controlled positive or negative, with electrohydraulic pilot valve for water, oil, and HFA fluid

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Additional facility for manual operation as standard
- No leakage loss
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

positive; normally closed (NC)
negative; normally open (NO)

2-WAY VALVE

2W../iEA09

DN 10 to DN 50, self-controlled positive or negative, with electropneumatic pilot valve for compressed air

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Optical valve position indication
- Additional facility for manual operation as standard
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

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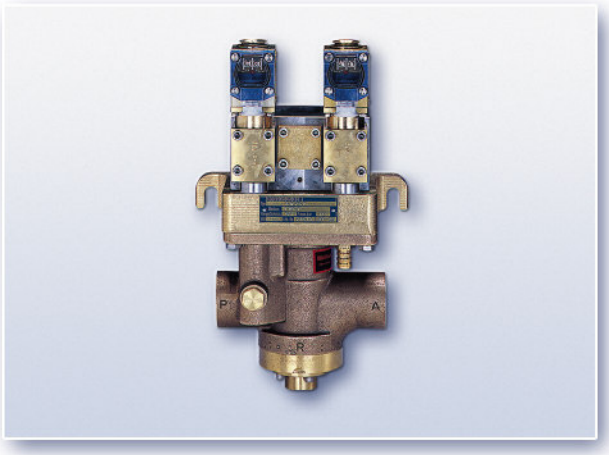

2-WAY VALVE

2W..H/iEA09

self-locking, DN 10 to DN 50, self-controlled with electropneumatic pilot valve for compressed air

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Optical valve position indication
- Additional facility for manual operation as standard
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

positive; normally closed (NC)
negative; normally open (NO)

3-WAY VALVE

3W../iEA07

DN 10 to DN 50, self-controlled positive or negative, with electrohydraulic pilot valve for water, oil and hydraulic fluid HFA

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Additional facility for manual operation as standard
- No leakage loss
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

positive; normally closed (NC)
negative; normally open (NO)

3-WAY VALVE

3W../iEA09

DN 10 to DN 50, self-controlled positive or negative, with electropneumatic pilot valve for compressed air

- Rugged construction
- Use of corrosion-resistant materials for all componentse
- Solenoid completely separated from the flow section
- Optical valve position indication
- Additional facility for manual operation as standard
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

3-WAY VALVE

3W..H/iEA09

self-locking, DN 10 to DN 50, self-controlled with electropneumatic pilot valve for compressed air

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Optical valve position indication
- Additional facility for manual operation as standard
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

THE DIRECTIONAL CONTROL VALVES
OF TIEFENBACH CONTROL SYSTEMS...

4-WAY VALVE

4W../iEA07

DN 10 to DN 50, self-controlled with electrohydraulic pilot valve for water, oil and hydraulic fluid HFA

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Additional facility for manual operation as standard
- No leakage loss
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

4-WAY VALVE

4W../iEA09

DN 10 to DN 50, self-controlled with electropneumatic pilot valve for compressed air

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Optical valve position indication
- Additional facility for manual operation as standard
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

4-WAY VALVE

4W..H/iEA09

self-locking, DN 10 to DN 50, self-controlled with electropneumatic pilot valve for compressed air

- Rugged construction
- Use of corrosion-resistant materials for all components
- Solenoid completely separated from the flow section
- Optical valve position indication
- Additional facility for manual operation as standard
- Type of protection: IP 54 according to EN 60529/IEC 529; EEx ia I intrinsically safe according to Directive 94/9/EC (ATEX)

We give impulses >>>

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