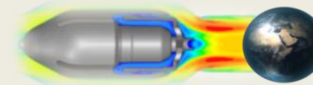


HYREVAL® VALVE SYSTEM

AXIAL CHECK VALVE



MAIN OPERATING MODE AND TYPES OF THE AXIAL CHECK VALVE TYPE HYREVAL®:

➤ FM - FLOW MEDIUM SOLUTIONS

OPERATING OF THE CHECK VALVE BASED ONLY WITH FLOW MEDIUM (WATER, OIL, GAS, COMPRESSED AIR, LOW AND HIGH TEMPERATURE MEDIUMS)

CLOSING DIRECTION CAUSED BY THE ACTION OF BACK FLOW MEDIUM BY USING OF SPRING OR ACCUMULATOR AT LARGER CHECK VALVES. DESIGN AND OPERATING POSSIBILITY:

- **FM** - SIMPLEST SOLUTION WITHOUT ADJUSTING OF THE CLOSING AND/OR OPENING SPEED AND DAMPING OF THE END POSITION
- **FMW** - WITH USING ADDITIONAL FLOW CONTROL VALVE TO ADJUSTING OF CLOSING AND/OR OPENING SPEED AND DAMPING OF THE END POSITION (APPLY BY CLEANER FLOW MEDIUM)

➤ HS - HYDRAULIC SOLUTIONS

COMBINED OPERATING OF THE CHECK VALVE BASED WITH FLOW MEDIUM AND HYDRAULICS.

CLOSING DIRECTION CAUSED BY THE ACTION OF BACK FLOW MEDIUM AND SPRING OR ACCUMULATOR AT DIFFERENT HYDRAULIC SOLUTIONS.

DESIGN AND OPERATING POSSIBILITY REGARDLESS OF THE PURITY OF FLOW MEDIUM.

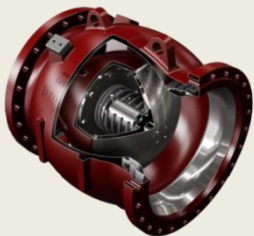
- **HS** - BY USING OF ADDITIONAL OIL TANK AND HYDRAULIC THROTTLE CHECK VALVE PROVIDES ADJUSTING OF THE OPENING AND/OR CLOSING SPEED AND PREVENTING STRIKES OF THE DISC IN THE END POSITIONS.
- **HED** - HYDRAULICS EXTERNAL DRIVE, ALLOWS:
 - ✓ TOTAL ELIMINATION OF FLOW LOSSES CAUSED BY THE ACTION OF SPRING FORCE OR EXTERNAL ACCUMULATOR. BETTER BACK FLOW PROTECTION AND THE BETTER CHECK VALVE FUNCTION MEANS INTRODUCTION OF A STRONGER SPRING OR A STRONGER ACCUMULATOR FORCES. THIS ON THE OTHER HAND MEANS GREATER FLOW LOSSES WHICH IMPLIES FINANCIAL LOSSES, ESPECIALLY AT LOWER FLOW RATES.
 - ✓ PROVIDES ADJUSTING THE SPEED OF OPENING AND/OR CLOSING AND PREVENTING STRIKES IN THE END POSITIONS.
 - ✓ MOST RELIABLE FUNCTION OF THE CHECK VALVE ESPECIALLY AT LARGER NOMINAL DIAMETER AND HEAVY DUTY APPLICATIONS.

FEEDBACK SYSTEM FOR THE CHECK VALVE OPENNESS

INTERNAL AND EXTERNAL FEEDBACK SYSTEM TO CONTROL OF CHECK VALVE OPEN/CLOSE POSITION, OPTIONS:

1. **VG** DEVICE TO LOCAL VISUAL CONTROL OF CHECK VALVE OPENNESS
2. **VG & LS** DEVICE TO LOCAL VISUAL CONTROL & LIMIT SWITCHES MECHANICAL OR INDUCTIVE TYPES
3. **VG & LS & RT** DEVICE TO LOCAL VISUAL CONTROL & LIMIT SWITCHES & ROTARY OR LINEAR TRANSMITTER (MOST OFTEN 4-20 MA)

AXIAL CHECK VALVE **DN 800_PN 16**
VALVE BODY FROM CARBON STEEL CAST, ALL INTERNAL PARTS FROM STAINLESS STEEL.



AXIAL CHECK VALVE **DN 150_PN 160**
OPERATING WITH COMPRESSED AIR, VALVE BODY FROM CARBON STEEL CAST, INTERNAL FEEDBACK SYSTEM WITH LINEAR TRANSMITTER 4-20 MA



AXIAL CHECK VALVE **DN 250_PN 40**
OPERATING WITH HYDRAULIC PRESSURE OIL. EXTERNAL VS FEEDBACK SYSTEM, VALVE BODY FROM STAINLESS STEEL.

