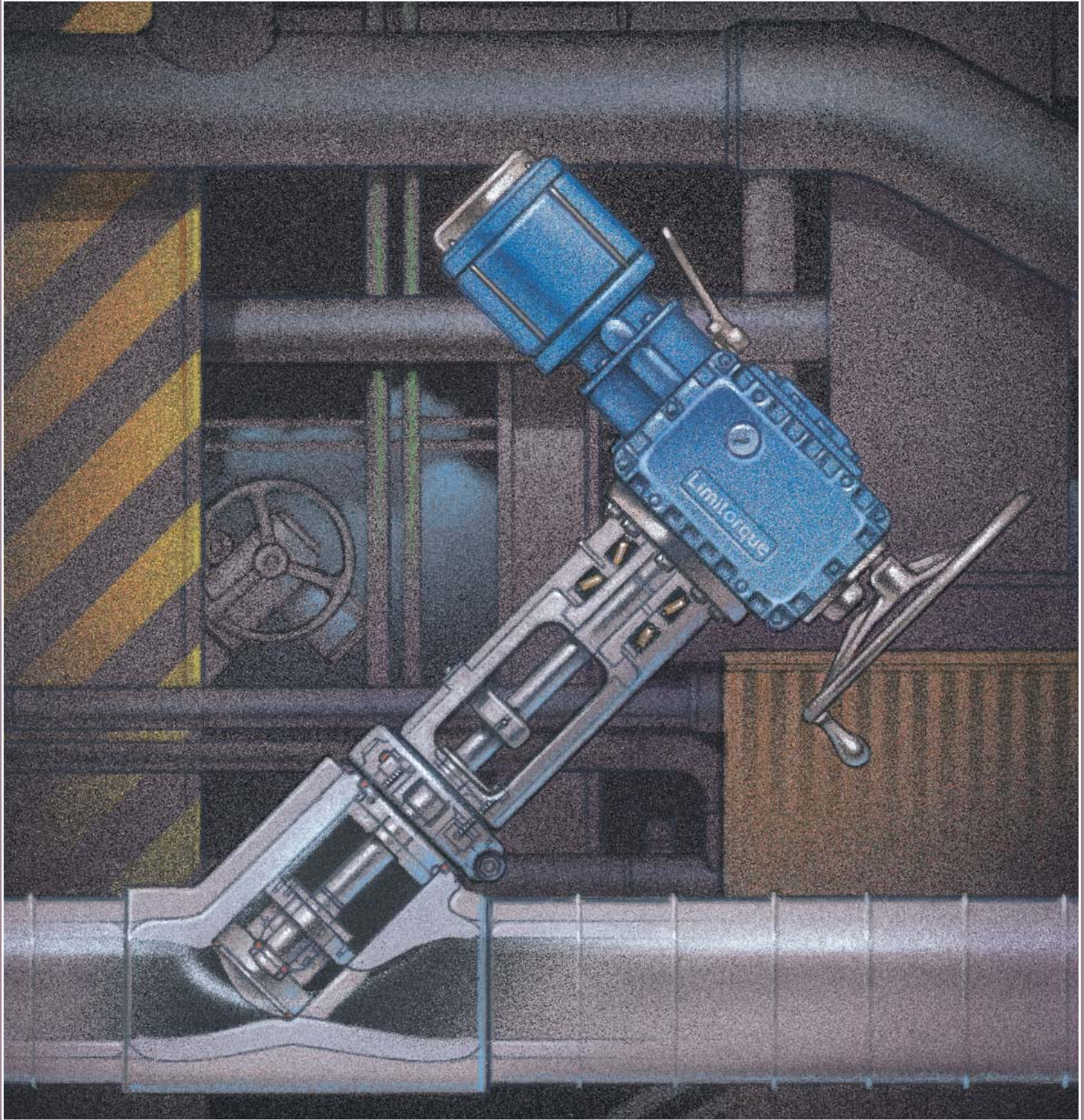




Edward Valves

EV100
5th Edition



Edward Valves *Catalog & Application Manual*

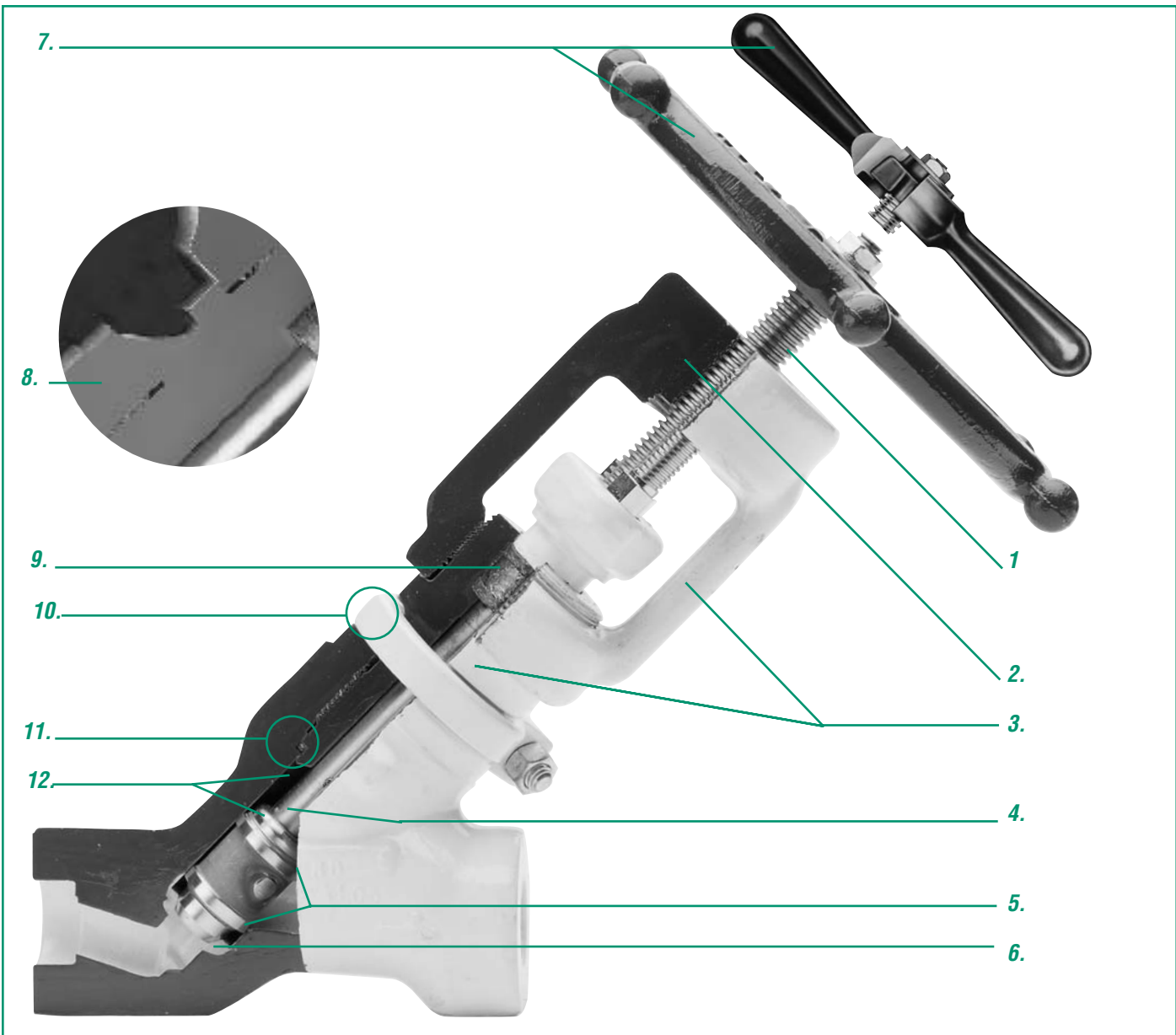


Edward Valves

EV100
5th Edition

Forged Steel Valves B

Features and Description of Edward Univalve® Globe Valves



1. Stem has ACME threads, is ground to a fine finish and is hardened to resist wear.

2. Yoke bushing material has low coefficient of friction which substantially reduces torque and stem wear and eliminates galling. Mechanical upset locks yoke bushing to yoke.

3. Yoke-bonnet assembly is two piece to facilitate disassembly for faster in-line internal repairs.

4. Inclined stem construction and optimum flow shape minimizes flow direction changes and reduces pressure drop.

5. Body-guided disk utilizes anti-thrust rings to eliminate misalignment, galling and stem bending.

6. Integral hardsurfaced seat provides positive shutoff and long seat life.

7. Handwheel on smaller size valves is rugged and knobbed to provide sure grip even when wearing gloves. Impactor handle or handwheel on larger, higher pressure valves provides many times the closing force of an ordinary handwheel for positive seating.

8. Threaded bonnet has ACME threads for resistance to galling and ease of disassembly. Unwelded models utilize a graphitic gasket for dependable sealing. Welded models employ a fillet weld (canopy weld on stainless steel valves) for absolute protection from body-bonnet leakage.

9. Stem packing system utilizes flexible graphite packing material with carbon fiber anti-extrusion rings for optimum sealability and life.

10. Bonnet locking collar. (unwelded valves only)

11. Bonnet seal ring is die formed flexible graphite gasket seated to a prescribed bonnet torque to provide reliable bonnet seal.

12. Integral backseat provides a secondary stem seal back up for positive shutoff and leak protection.

Part Specification List for Edward Univalve®

This is not a complete list. Construction and materials will vary between sizes and pressure classes and may be changed without notice. For a complete, accurate, and itemized description of a particular valve, contact your Edward Valves sales representative.

DESCRIPTION	ASTM NO.	ASTM NO.	ASTM NO.	ASTM NO.
Body	A-105 —	A-182 Grade F-22	A-182 Grade F-316/F-347*	A-182 Grade F91
Bonnet	A-696 Grade C	A-739 Grade B-22	A-479 T-316/347	A-182 Grade F91
Stem	A-479 T-410CL3	A-479 T-410CL3	A-638 Grade 660	A-638 Grade 660
Disk	A-732 Grade 21	A-732 Grade 21	A-732 Grade 21	A-732 Grade 21
Body Seat	Stellite 21	Stellite 21	Stellite 21	Stellite 21
Junk Ring	— —	— —	A-732 Grade 21	— —
Packing Rings	Flexible Graphite System	Flexible Graphite System	Flexible Graphite System	Flexible Graphite System
Gland	A-668 Grade 4140	A-668 Grade 4140	A-182 Grade F6a	A-668 Grade 4140
Gland Adjusting Screw	A-582 T-416	A-582 T-416	A-582 T-416	A-582 T-416
Yoke	A-181 Class 70	A-181 Class 70	A-181 Class 70	A-181 Class 70
Yoke Bushing	B150 Alloy C61900 or C62300	B150 Alloy C61900 or C62300	B150 Alloy C61900 or C62300	B150 Alloy C61900 or C62300
Yoke Bolt	A-307 Grade A	A-307 Grade A	A-307 Grade A	A-307 Grade A
Yoke Nut	A-563 Grade A	A-563 Grade A	A-563 Grade A	A-563 Grade A
Handwheel/Impactor Handle Adapter	Malleable or Ductile Iron	Malleable or Ductile Iron	Malleable or Ductile Iron	Malleable or Ductile Iron
Stem Nut/Washer	Mild Steel Plated	Mild Steel Plated	Mild Steel Plated	Mild Steel Plated
Bonnet Seal Ring**	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite
Bonnet Insert†	A-582 T-416	A-582 T-416	A-479 T-316	A-582 T-416
Locking Collar†††	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Spring††	A-313 T-302	A-313 T-302	A-313 T-302	INCONEL X-750

Parts shown above are not applicable to all Univalve® valves.

* Other Stainless grades available on application.

** Used in unwelded and Class 4500 welded design only.

† Class 4500 welded design only.

†† Check valves only.

††† Unwelded valves only.

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