Specialized Industrial Valves Technical Manual

BRONZE FARTAK INDUSTRIAL VALVE & PIPING SOLUTIONS

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Design Standard: API Spec 6D / ASME B16.34

Quality Verification: Certified 100% Hydrostatic & Pneumatic Tested under API 598 / ISO 5208

1. OVERVIEW & SCOPE

Detailed flow performance charts, cavitation indexes, exploded diagrams, and maintenance procedures for Bronze Fartak valve assemblies.

2. TECHNICAL SPECIFICATIONS & DESIGN PARAMETERS

PARAMETER / CHARACTERISTIC	ENGINEERING VALUE / STANDARD RATING
Scope of Supply	Check, Globe, Ball, Needle, and Gauge Valves
Pressure Range	Class 150 to Class 2500
Trim Options	Trim 1 (F6a), Trim 5 (Stellite), Trim 8, Bronze Trim
Operator Types	Handwheel, Lever, Bevel Gear, Pneumatic Actuator
Temperature Range	-196 deg C (Cryogenic) up to +550 deg C
Inspection Protocol	Full Material Test Reports (EN 10204 Type 3.1)

3. QUALITY ASSURANCE & INSPECTION CRITERIA

[+] Cavitation Prevention Design

Multi-stage cage and trim geometry eliminates noise and erosion in high pressure drops.

[+] In-line Seat Replacement

Top-entry design simplifies field maintenance without removing valve body from pipe line.

[+] Extended Stem Options

Engineered cryo-bonnets isolate packing glands from ultra-cold and superheated media.