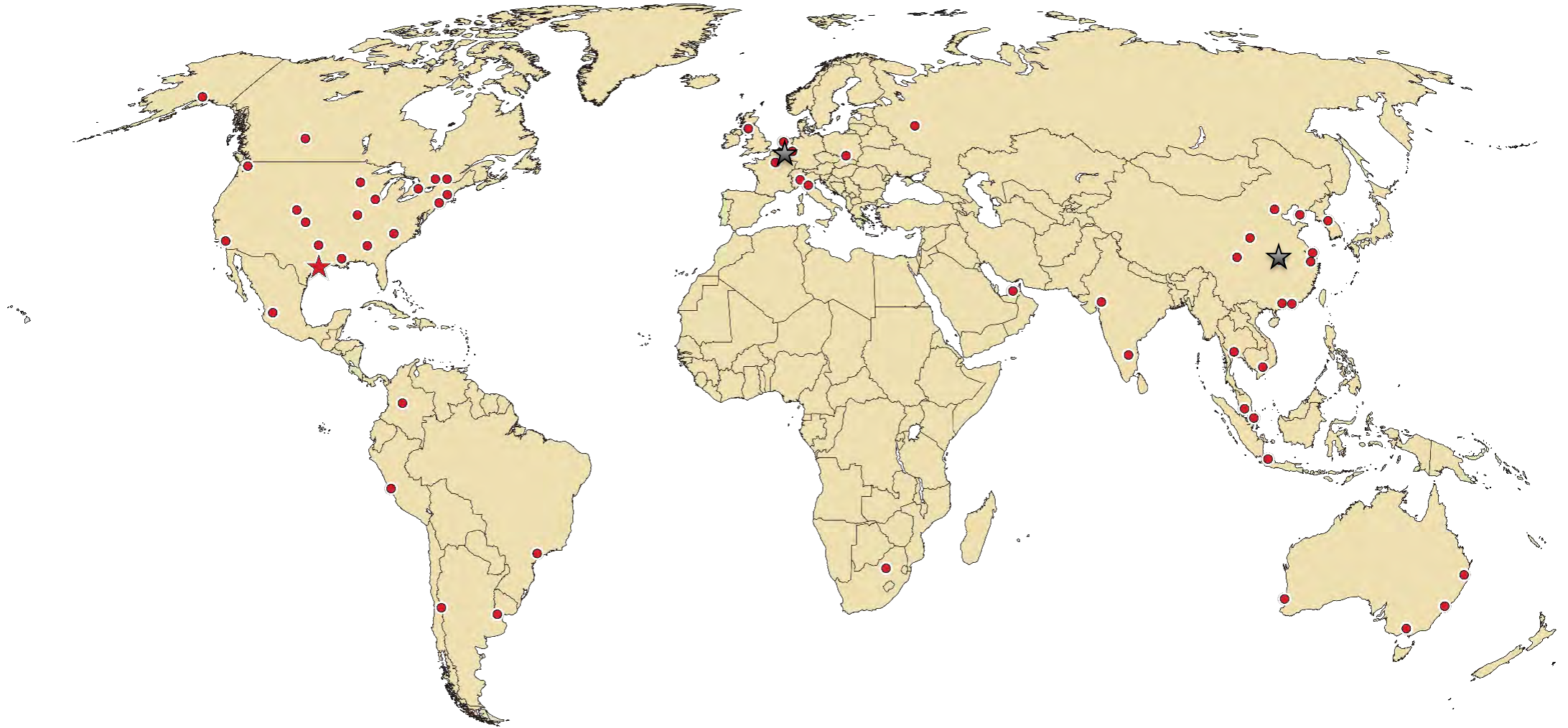


BRAY COMMERCIAL DIVISION OVERVIEW



 **Bray** COMMERCIAL[®]





Over 300 Sales and Manufacturing Divisions Worldwide

BRAY CAPABILITIES PROVIDE SOLUTIONS FROM HIGH END COMMERCIAL TO THE MOST DEMANDING OF CRITICAL APPLICATIONS.

TEMPERATURE RATINGS FROM -320°F TO 1,100°F

PRESSURE RATINGS UP TO 1,480 PSI

SIZES FROM 1/2" UP TO 120"

WE HAVE A VALVE FOR YOU!



STRINGENT SUPPLIER QUALIFICATION & DEVELOPMENT

- > Far beyond ISO 9000 issued by EC recognized body

NUCLEAR APPROVED STEEL FOUNDRY

O&G END USERS APPROVED STEEL FOUNDRY

ASSURANCE OF MATERIAL COMPLIANCE

- > Mechanical and Chemical Test Lab
- > NDE Lab (LPT, MPT, UT, RT)

UL, CSA, CE CERTIFIED





Oil & Gas



Offshore



Onshore



**Power-
Hydro/Fossil/Nuclear**



HVAC



Petrochemical



Water Filtration



Water / Wastewater/Sea



Chemical



Mining



Steel



Ship Building



Pulp / Paper



Sugar / Ethanol



Beverage



Breweries / Wineries



Food Processing



Pharmaceuticals



Textile



Transportation



Microelectronics

Bray COMMERCIAL



TRANE

Johnson
Controls



United
Technologies

SIEMENS TUOR

Schneider
Electric

VEOLIA
ENVIRONMENTAL
SERVICES

Bray CONTROLS

BASF
The Chemical Company



PRAXAIR

AIR PRODUCTS

ExxonMobil

PETROBRAS



SIZE RANGE 2" – 60 "

FLUID TEMPS. - 20°F – 250°F

MAX. CLOSE-OFF PRESSURE 175 PSI

MATERIALS OF CONSTRUCTION

> Nylon Disc

> EPDM Seat

**WIDE VARIETY OF DIRECT MOUNT
ACTUATORS**

APPLICATION - CENTRAL PLANTS

> Boilers, Heat Exchangers, Chillers, Cooling
Towers



SIZE RANGE 2½" – 60 "

FLUID TEMPS. - 40°F – 500°F

MAX. CLOSE-OFF PRESSURE:

> ANSI 150: 285 PSI

> ANSI 300: 740 PSI

MATERIALS OF CONSTRUCTION

> Body - Carbon Steel

> Disc - 316 Stainless Steel

> Seat - RTFE

WIDE VARIETY OF DIRECT MOUNT ACTUATORS

APPLICATION - CENTRAL PLANTS

> Boilers, Heat Exchangers, Chillers, Cooling Towers



BV SERIES - THREADED – FLOWTEK SERIES 8000

SIZE RANGE: 1/2" – 4"

FLUID TEMPS.

- > Water: -20°F – 225°F @1000 PSI
- > Steam: 150 PSI

MAX CLOSE-OFF: 300 PSI; 100 PSI WATER

CARBON STEEL BODY, STAINLESS STEEL OPTIONAL

APPLICATIONS – SATURATED STEAM & HIGH-PRESSURE HOT WATER



BVMS - FLANGED – FLOWTEK S19

SIZE RANGE: 2" – 12"

FLUID TEMPS.

- > Water: -20 - 380°F @200 PSI
- > Steam: 100 PSI

MAX CLOSE-OFF: 285 PSI WATER; 100 PSI STEAM

CARBON STEEL BODY, STAINLESS STEEL OPTIONAL

APPLICATIONS – SATURATED STEAM & HIGH-PRESSURE HOT WATER



SIZE RANGE: 1/2" – 2"

FLUID TEMPS.: -22°F – 250°F

MAX CLOSE-OFF: 200 PSI

MATERIALS OF CONSTRUCTION

- > Body - Brass
- > Stainless Steel Ball & Stem

ANSI CLASS VI (1% OF FLOW ON 3W BYPASS PORT) LEAKAGE

MULTIPLE END CONNECTIONS 2 & 3-WAY

- > NPT 1/2" to 2"
- > Press 1/2" to 1"
- > Sweat 1/2" to 1" – Build to order

APPLICATIONS – AIR HANDLING, TERMINAL & CRAC UNITS



Combines a balancing, flow limiting and control valves into one device to provide consistent flow regardless of pressure changes in the system.

Lower installation and operating costs than ball and globe valves

SIZE RANGE: 1/2" – 2"

FLUID TEMPS.: -32°F – 248°F

FLOW RATE: .33 TO 112 GPM

DP RANGE: 2.3 TO 58 PSI

BODY MATERIAL BRASS

APPLICATION – FAN COILS, VAV COILS, CHILLED BEAMS, AIR HANDLING, TERMINAL & CRAC UNITS



SIZE RANGE: 2½" – 12"

ANSI 150 & 250 RATINGS

FLUID TEMPS.: -32°F – 248°F

FLOW RATE: 19.3 TO 2,641 GPM

DP RANGE: 1.5 TO 116 PSI

BODY MATERIAL – CAST/DUCTILE IRON

**APPLICATION – FAN COILS, VAV COILS,
CHILLED BEAMS, AIR HANDLING,
TERMINAL & CRAC UNITS**



SIZE RANGE 1 1/4" – 2" NPT THREADED

2-WAY AND 3-WAY MIXING (DIVERTING UPON REQUEST)

MEDIA TEMP. RATING:

- > WATER 250° F
- > STEAM 337° F (SS TRIM ONLY)

MATERIALS OF CONSTRUCTION

- > 1/2" - 3/4" FORGED BRASS BODY AND 1" - 2" BRONZE BODY
- > BRASS OR STAINLESS STEEL TRIM

CLASS ANSI IV (0.01%) LEAKAGE

CLOSE-OFF RATING: 49 TO 124 PSI

DIRECT MOUNT SPRING RETURN AND NON-SPRING RETURN ACTUATORS

APPLICATIONS – AIR HANDLING UNITS, BOILERS, HEAT EXCHANGERS, CHILLERS, COOLING TOWERS



SIZE RANGE 2½" – 6"

2-WAY AND 3-WAY

MAX. FLUID TEMPERATURE: 250° F @ 175 PSI

MATERIALS OF CONSTRUCTION

> ANSI 125 Flanged Cast Iron Body

> Brass or Stainless-Steel Trim

ANSI CLASS IV (<0.01%) LEAKAGE

**INNOVATIVE AND POWERFUL ELECTRIC
ACTUATORS**

**APPLICATIONS – AIR HANDLING UNITS,
BOILERS, HEAT EXCHANGERS, CHILLERS,
COOLING TOWERS**



Industrial



Pneumatic



Commercial



Linear





The Pentagon
Washington, D.C.



Argonne National Laboratories
Darien, ILL



Center for Disease Control – Atl., GA



Lakeside Technology Center
Chicago, IL



Metro Technology Center – Atlanta, GA



Microsoft - Northlake, IL



Confidential Client

Valves up to 60"

**All isolation and control valves 100% manufactured by Bray International
Custom valve built to customers specific requirements**



Alexandria, VA Schools



Palm Springs High school



University of Washington



Virginia Tech



Sloan Kettering Memorial
New York, New York



Children's Hospital – Denver, CO



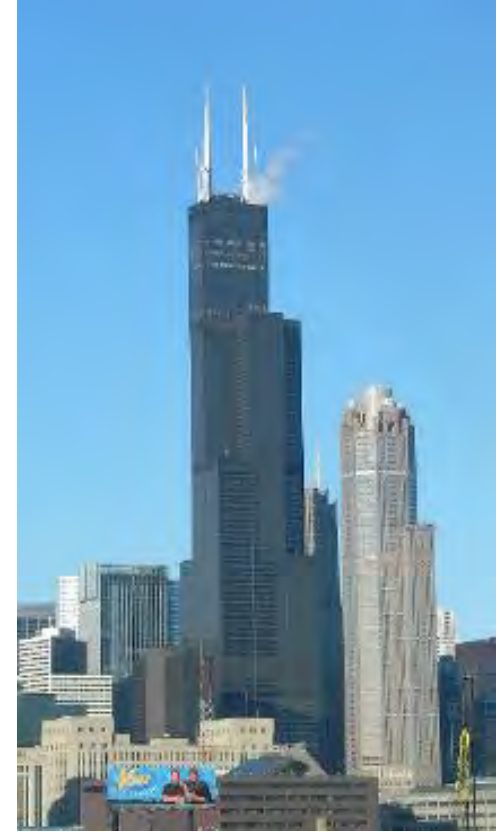
Rush Hospital – Chicago, IL



Freedom Tower
New York, NY



Shanghai Financial Center &
Jin Mao Buildings
Shanghai, China



Sears Tower
Chicago, IL



Orange County Convention Center
Orlando, FL



Mercedes Benz Stadium- Atlanta, GA



Miami Center for the Performing Arts



Fred Kluzcynski Federal Bld.
Chicago, IL



Nemours Hospital - Orlando, FL



Denver Justice Center - Denver, CO

UNSURPASSED TECHNICAL EXPERTISE WITH REGIONAL SUPPORT.

ONE SOURCE FOR ALL YOUR HVAC VALVE AND ACTUATION NEEDS.

**THE PREMIER QUARTER-TURN BUTTERFLY VALVE, BALL VALVE,
PNEUMATIC AND ELECTRIC ACTUATOR MANUFACTURER IN THE
WORLD.**

 **Bray** COMMERCIAL[®]