

Mini Catalog

General Purpose Laboratory Gas Taps



BEACONMEDÆS®

Contents

5	Gas Needle Valves & Fittings - How to build and order
6	Gas Needle Valves & Fittings - Specifications
7	Gas Needle Valves & Fittings
14	Fine Gas Needle Valves & Fittings - How to build and order
15	Fine Needle Gas Needle Valves & Fittings - Specifications
16	Fine Needle Gas Needle Valves & Fittings
23	Ball Valves & Fittings - How to build and order
24	Ball Valves & Fittings - Specifications
25	Ball Valves & Fittings
29	Copyright and Distribution

Gas Needle Valves & Fittings

How to build and order laboratory gas needle valve fittings

We make it clear for you to build gas needle valve fittings that meet your requirements. You can reference the information on the following pages, or you can build your own valve by choosing the components below to configure your model number.

BLGNABCDEF

LGN = Lab Gas Needle Valve

A.

Valve Base



Straight Valve



Angle Valve

B.

Cartridge



Compression

C.

Outlet



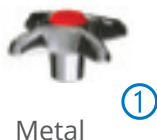
Straight Nozzle



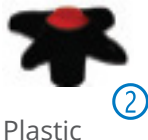
30° Nozzle

D.

Handle



Metal



Plastic

E.

Button



Air



Vacuum



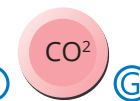
Gas



Nitrogen



Helium



Carbon Dioxide



Carbon Monoxide



Hydrogen



Propane



Acetylene



Methane



Speciality Gas

F.

Turret



Single



Dual 90°



Dual 180°



Three Hole



Four Hole



Single Wall Flange



Single Wall Flange With Shank



Dual Wall Flange



Dual Wall Flange With Shank

Example



BLGN1A21A25

Straight valves with 30° outlets, metal lever handles with AIR index buttons, & single hole turret

Gas Needle Valves & Fittings

Specifications

Finish

- Chrome-plated (Standard)
- Powder-coated paint RAL 7035 (Optional)

Maximum Working Pressure

- 145 psig (10 bar)

Pressure Test

- 145 psig

Working Temperature

- Not recommended for below 32° F

Assembly

- Fully assembled and pressure tested

Material of Construction

- Brass

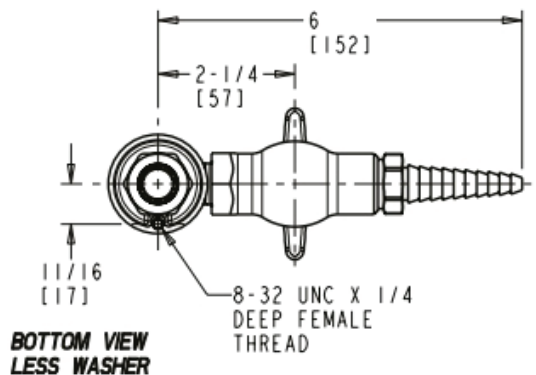
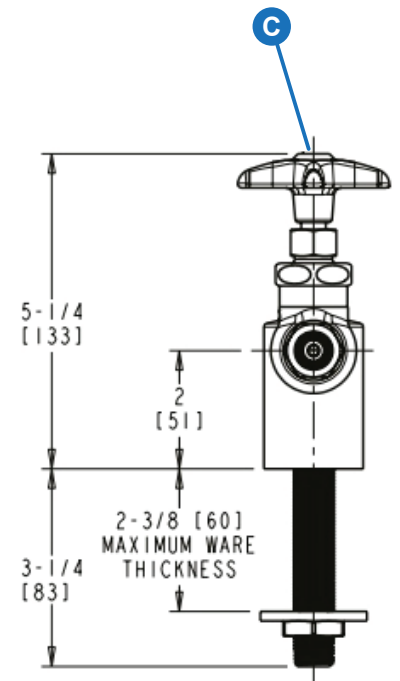
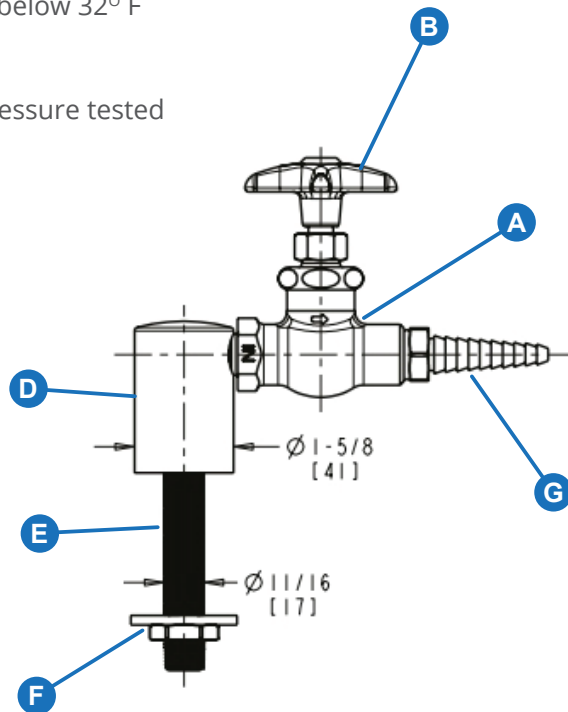
Inlet Connection

- 3/8" M.NPT

Purity

- 4.0 = 99.99%

Example shown: **BLGN1A11D10**



Note: All dimensions are in inches and [millimeters].

- A** Multi turn compression cartridge
- B** Metal or plastic handle
- C** Index (gas service) button
- D** Turret
- E** Shank
- F** Lock nut and washer
- G** Outlet (serrated straight nozzle shown)

Gas Needle Valves & Fittings

Straight Pattern Gas Needle Valve

- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A	BLGN1A21A	BLGN1A12A	BLGN1A22A
VAC	BLGN1A11B	BLGN1A21B	BLGN1A12B	BLGN1A22B
GAS	BLGN1A11C	BLGN1A21C	BLGN1A12C	BLGN1A22C
NIT	BLGN1A11D	BLGN1A21D	BLGN1A12D	BLGN1A22D
HE	BLGN1A11F	BLGN1A21F	BLGN1A12F	BLGN1A22F
CO2	BLGN1A11G	BLGN1A21G	BLGN1A12G	BLGN1A22G
CO	BLGN1A11H	BLGN1A21H	BLGN1A12H	BLGN1A22H
HYD	BLGN1A11I	BLGN1A21I	BLGN1A12I	BLGN1A22I
PRO	BLGN1A11J	BLGN1A21J	BLGN1A12J	BLGN1A22J
ACET	BLGN1A11K	BLGN1A21K	BLGN1A12K	BLGN1A22K
CH4	BLGN1A11L	BLGN1A21L	BLGN1A12L	BLGN1A22L
SG	BLGN1A11M	BLGN1A21M	BLGN1A12M	BLGN1A22M

Deck Mounted, Straight Pattern Single Gas Needle Valve Assembly

- Solid brass turret with one outlet
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A10	BLGN1A21A10	BLGN1A12A10	BLGN1A22A10
VAC	BLGN1A11B10	BLGN1A21B10	BLGN1A12B10	BLGN1A22B10
GAS	BLGN1A11C10	BLGN1A21C10	BLGN1A12C10	BLGN1A22C10
NIT	BLGN1A11D10	BLGN1A21D10	BLGN1A12D10	BLGN1A22D10
HE	BLGN1A11F10	BLGN1A21F10	BLGN1A12F10	BLGN1A22F10
CO2	BLGN1A11G10	BLGN1A21G10	BLGN1A12G10	BLGN1A22G10
CO	BLGN1A11H10	BLGN1A21H10	BLGN1A12H10	BLGN1A22H10
HYD	BLGN1A11I10	BLGN1A21I10	BLGN1A12I10	BLGN1A22I10
PRO	BLGN1A11J10	BLGN1A21J10	BLGN1A12J10	BLGN1A22J10
ACET	BLGN1A11K10	BLGN1A21K10	BLGN1A12K10	BLGN1A22K10
CH4	BLGN1A11L10	BLGN1A21L10	BLGN1A12L10	BLGN1A22L10
SG	BLGN1A11M10	BLGN1A21M10	BLGN1A12M10	BLGN1A22M10

Deck Mounted, Straight Pattern Dual 90° Gas Needle Valve Assembly

- Solid brass turret with two 90° outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A20	BLGN1A21A20	BLGN1A12A20	BLGN1A22A20
VAC	BLGN1A11B20	BLGN1A21B20	BLGN1A12B20	BLGN1A22B20
GAS	BLGN1A11C20	BLGN1A21C20	BLGN1A12C20	BLGN1A22C20
NIT	BLGN1A11D20	BLGN1A21D20	BLGN1A12D20	BLGN1A22D20
HE	BLGN1A11F20	BLGN1A21F20	BLGN1A12F20	BLGN1A22F20
CO2	BLGN1A11G20	BLGN1A21G20	BLGN1A12G20	BLGN1A22G20
CO	BLGN1A11H20	BLGN1A21H20	BLGN1A12H20	BLGN1A22H20
HYD	BLGN1A11I20	BLGN1A21I20	BLGN1A12I20	BLGN1A22I20
PRO	BLGN1A11J20	BLGN1A21J20	BLGN1A12J20	BLGN1A22J20
ACET	BLGN1A11K20	BLGN1A21K20	BLGN1A12K20	BLGN1A22K20
CH4	BLGN1A11L20	BLGN1A21L20	BLGN1A12L20	BLGN1A22L20
SG	BLGN1A11M20	BLGN1A21M20	BLGN1A12M20	BLGN1A22M20

Gas Needle Valves & Fittings

Double Mounted, Straight Pattern

Dual 180° Gas Needle Valve Assembly

- Solid brass turret with two 180° outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A25	BLGN1A21A25	BLGN1A12A25	BLGN1A22A25
VAC	BLGN1A11B25	BLGN1A21B25	BLGN1A12B25	BLGN1A22B25
GAS	BLGN1A11C25	BLGN1A21C25	BLGN1A12C25	BLGN1A22C25
NIT	BLGN1A11D25	BLGN1A21D25	BLGN1A12D25	BLGN1A22D25
HE	BLGN1A11F25	BLGN1A21F25	BLGN1A12F25	BLGN1A22F25
CO2	BLGN1A11G25	BLGN1A21G25	BLGN1A12G25	BLGN1A22G25
CO	BLGN1A11H25	BLGN1A21H25	BLGN1A12H25	BLGN1A22H25
HYD	BLGN1A11I25	BLGN1A21I25	BLGN1A12I25	BLGN1A22I25
PRO	BLGN1A11J25	BLGN1A21J25	BLGN1A12J25	BLGN1A22J25
ACET	BLGN1A11K25	BLGN1A21K25	BLGN1A12K25	BLGN1A22K25
CH4	BLGN1A11L25	BLGN1A21L25	BLGN1A12L25	BLGN1A22L25
SG	BLGN1A11M25	BLGN1A21M25	BLGN1A12M25	BLGN1A22M25

Deck Mounted, Straight Pattern

Three Gas Needle Valve Assembly

- Solid brass turret with three outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A30	BLGN1A21A30	BLGN1A12A30	BLGN1A22A30
VAC	BLGN1A11B30	BLGN1A21B30	BLGN1A12B30	BLGN1A22B30
GAS	BLGN1A11C30	BLGN1A21C30	BLGN1A12C30	BLGN1A22C30
NIT	BLGN1A11D30	BLGN1A21D30	BLGN1A12D30	BLGN1A22D30
HE	BLGN1A11F30	BLGN1A21F30	BLGN1A12F30	BLGN1A22F30
CO2	BLGN1A11G30	BLGN1A21G30	BLGN1A12G30	BLGN1A22G30
CO	BLGN1A11H30	BLGN1A21H30	BLGN1A12H30	BLGN1A22H30
HYD	BLGN1A11I30	BLGN1A21I30	BLGN1A12I30	BLGN1A22I30
PRO	BLGN1A11J30	BLGN1A21J30	BLGN1A12J30	BLGN1A22J30
ACET	BLGN1A11K30	BLGN1A21K30	BLGN1A12K30	BLGN1A22K30
CH4	BLGN1A11L30	BLGN1A21L30	BLGN1A12L30	BLGN1A22L30
SG	BLGN1A11M30	BLGN1A21M30	BLGN1A12M30	BLGN1A22M30

Deck Mounted, Straight Pattern

Four Gas Needle Valve Assembly

- Solid brass turret with four outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A40	BLGN1A21A40	BLGN1A12A40	BLGN1A22A40
VAC	BLGN1A11B40	BLGN1A21B40	BLGN1A12B40	BLGN1A22B40
GAS	BLGN1A11C40	BLGN1A21C40	BLGN1A12C40	BLGN1A22C40
NIT	BLGN1A11D40	BLGN1A21D40	BLGN1A12D40	BLGN1A22D40
HE	BLGN1A11F40	BLGN1A21F40	BLGN1A12F40	BLGN1A22F40
CO2	BLGN1A11G40	BLGN1A21G40	BLGN1A12G40	BLGN1A22G40
CO	BLGN1A11H40	BLGN1A21H40	BLGN1A12H40	BLGN1A22H40
HYD	BLGN1A11I40	BLGN1A21I40	BLGN1A12I40	BLGN1A22I40
PRO	BLGN1A11J40	BLGN1A21J40	BLGN1A12J40	BLGN1A22J40
ACET	BLGN1A11K40	BLGN1A21K40	BLGN1A12K40	BLGN1A22K40
CH4	BLGN1A11L40	BLGN1A21L40	BLGN1A12L40	BLGN1A22L40
SG	BLGN1A11M40	BLGN1A21M40	BLGN1A12M40	BLGN1A22M40

Gas Needle Valves & Fittings

Wall Mounted, Straight Pattern Single Gas Needle Valve Assembly Less Shank

- Wall flange
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A50	BLGN1A21A50	BLGN1A12A50	BLGN1A22A50
VAC	BLGN1A11B50	BLGN1A21B50	BLGN1A12B50	BLGN1A22B50
GAS	BLGN1A11C50	BLGN1A21C50	BLGN1A12C50	BLGN1A22C50
NIT	BLGN1A11D50	BLGN1A21D50	BLGN1A12D50	BLGN1A22D50
HE	BLGN1A11F50	BLGN1A21F50	BLGN1A12F50	BLGN1A22F50
CO2	BLGN1A11G50	BLGN1A21G50	BLGN1A12G50	BLGN1A22G50
CO	BLGN1A11H50	BLGN1A21H50	BLGN1A12H50	BLGN1A22H50
HYD	BLGN1A11I50	BLGN1A21I50	BLGN1A12I50	BLGN1A22I50
PRO	BLGN1A11J50	BLGN1A21J50	BLGN1A12J50	BLGN1A22J50
ACET	BLGN1A11K50	BLGN1A21K50	BLGN1A12K50	BLGN1A22K50
CH4	BLGN1A11L50	BLGN1A21L50	BLGN1A12L50	BLGN1A22L50
SG	BLGN1A11M50	BLGN1A21M50	BLGN1A12M50	BLGN1A22M50

Wall Mounted, Straight Pattern Single Gas Needle Valve Assembly with Shank

- Wall flange
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A55	BLGN1A21A55	BLGN1A12A55	BLGN1A22A55
VAC	BLGN1A11B55	BLGN1A21B55	BLGN1A12B55	BLGN1A22B55
GAS	BLGN1A11C55	BLGN1A21C55	BLGN1A12C55	BLGN1A22C55
NIT	BLGN1A11D55	BLGN1A21D55	BLGN1A12D55	BLGN1A22D55
HE	BLGN1A11F55	BLGN1A21F55	BLGN1A12F55	BLGN1A22F55
CO2	BLGN1A11G55	BLGN1A21G55	BLGN1A12G55	BLGN1A22G55
CO	BLGN1A11H55	BLGN1A21H55	BLGN1A12H55	BLGN1A22H55
HYD	BLGN1A11I55	BLGN1A21I55	BLGN1A12I55	BLGN1A22I55
PRO	BLGN1A11J55	BLGN1A21J55	BLGN1A12J55	BLGN1A22J55
ACET	BLGN1A11K55	BLGN1A21K55	BLGN1A12K55	BLGN1A22K55
CH4	BLGN1A11L55	BLGN1A21L55	BLGN1A12L55	BLGN1A22L55
SG	BLGN1A11M55	BLGN1A21M55	BLGN1A12M55	BLGN1A22M55

Wall Mounted, Pattern Dual 90° Gas Needle Valve Assembly Less Shank

- "Y" pattern wall flange with two valves at 90°
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread shank inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A60	BLGN1A21A60	BLGN1A12A60	BLGN1A22A60
VAC	BLGN1A11B60	BLGN1A21B60	BLGN1A12B60	BLGN1A22B60
GAS	BLGN1A11C60	BLGN1A21C60	BLGN1A12C60	BLGN1A22C60
NIT	BLGN1A11D60	BLGN1A21D60	BLGN1A12D60	BLGN1A22D60
HE	BLGN1A11F60	BLGN1A21F60	BLGN1A12F60	BLGN1A22F60
CO2	BLGN1A11G60	BLGN1A21G60	BLGN1A12G60	BLGN1A22G60
CO	BLGN1A11H60	BLGN1A21H60	BLGN1A12H60	BLGN1A22H60
HYD	BLGN1A11I60	BLGN1A21I60	BLGN1A12I60	BLGN1A22I60
PRO	BLGN1A11J60	BLGN1A21J60	BLGN1A12J60	BLGN1A22J60
ACET	BLGN1A11K60	BLGN1A21K60	BLGN1A12K60	BLGN1A22K60
CH4	BLGN1A11L60	BLGN1A21L60	BLGN1A12L60	BLGN1A22L60
SG	BLGN1A11M60	BLGN1A21M60	BLGN1A12M60	BLGN1A22M60

Gas Needle Valves & Fittings

Wall Mounted, "Y" Pattern Dual 90°

Gas Needle Valve Assembly With Shank

- "Y" pattern wall flange with two valves at 90°
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN1A11A65	BLGN1A21A65	BLGN1A12A65	BLGN1A22A65
VAC	BLGN1A11B65	BLGN1A21B65	BLGN1A12B65	BLGN1A22B65
GAS	BLGN1A11C65	BLGN1A21C65	BLGN1A12C65	BLGN1A22C65
NIT	BLGN1A11D65	BLGN1A21D65	BLGN1A12D65	BLGN1A22D65
HE	BLGN1A11F65	BLGN1A21F65	BLGN1A12F65	BLGN1A22F65
CO2	BLGN1A11G65	BLGN1A21G65	BLGN1A12G65	BLGN1A22G65
CO	BLGN1A11H65	BLGN1A21H65	BLGN1A12H65	BLGN1A22H65
HYD	BLGN1A11I65	BLGN1A21I65	BLGN1A12I65	BLGN1A22I65
PRO	BLGN1A11J65	BLGN1A21J65	BLGN1A12J65	BLGN1A22J65
ACET	BLGN1A11K65	BLGN1A21K65	BLGN1A12K65	BLGN1A22K65
CH4	BLGN1A11L65	BLGN1A21L65	BLGN1A12L65	BLGN1A22L65
SG	BLGN1A11M65	BLGN1A21M65	BLGN1A12M65	BLGN1A22M65

Angle Pattern

Gas Needle Valve

- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A	BLGN3A21A	BLGN3A12A	BLGN3A22A
VAC	BLGN3A11B	BLGN3A21B	BLGN3A12B	BLGN3A22B
GAS	BLGN3A11C	BLGN3A21C	BLGN3A12C	BLGN3A22C
NIT	BLGN3A11D	BLGN3A21D	BLGN3A12D	BLGN3A22D
HE	BLGN3A11F	BLGN3A21F	BLGN3A12F	BLGN3A22F
CO2	BLGN3A11G	BLGN3A21G	BLGN3A12G	BLGN3A22G
CO	BLGN3A11H	BLGN3A21H	BLGN3A12H	BLGN3A22H
HYD	BLGN3A11I	BLGN3A21I	BLGN3A12I	BLGN3A22I
PRO	BLGN3A11J	BLGN3A21J	BLGN3A12J	BLGN3A22J
ACET	BLGN3A11K	BLGN3A21K	BLGN3A12K	BLGN3A22K
CH4	BLGN3A11L	BLGN3A21L	BLGN3A12L	BLGN3A22L
SG	BLGN3A11M	BLGN3A21M	BLGN3A12M	BLGN3A22M

Overhead Mounted, Angle Pattern

Single Gas Needle Valve Assembly

- Solid brass turret with one outlet
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A10	BLGN3A21A10	BLGN3A12A10	BLGN3A22A10
VAC	BLGN3A11B10	BLGN3A21B10	BLGN3A12B10	BLGN3A22B10
GAS	BLGN3A11C10	BLGN3A21C10	BLGN3A12C10	BLGN3A22C10
NIT	BLGN3A11D10	BLGN3A21D10	BLGN3A12D10	BLGN3A22D10
HE	BLGN3A11F10	BLGN3A21F10	BLGN3A12F10	BLGN3A22F10
CO2	BLGN3A11G10	BLGN3A21G10	BLGN3A12G10	BLGN3A22G10
CO	BLGN3A11H10	BLGN3A21H10	BLGN3A12H10	BLGN3A22H10
HYD	BLGN3A11I10	BLGN3A21I10	BLGN3A12I10	BLGN3A22I10
PRO	BLGN3A11J10	BLGN3A21J10	BLGN3A12J10	BLGN3A22J10
ACET	BLGN3A11K10	BLGN3A21K10	BLGN3A12K10	BLGN3A22K10
CH4	BLGN3A11L10	BLGN3A21L10	BLGN3A12L10	BLGN3A22L10
SG	BLGN3A11M10	BLGN3A21M10	BLGN3A12M10	BLGN3A22M10

Gas Needle Valves & Fittings

Overhead Mounted, Angle Pattern

Dual 90° Gas Needle Valve Assembly

- Solid brass turret with two 90° outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly

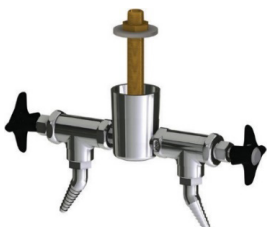


Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A20	BLGN3A21A20	BLGN3A12A20	BLGN3A22A20
VAC	BLGN3A11B20	BLGN3A21B20	BLGN3A12B20	BLGN3A22B20
GAS	BLGN3A11C20	BLGN3A21C20	BLGN3A12C20	BLGN3A22C20
NIT	BLGN3A11D20	BLGN3A21D20	BLGN3A12D20	BLGN3A22D20
HE	BLGN3A11F20	BLGN3A21F20	BLGN3A12F20	BLGN3A22F20
CO2	BLGN3A11G20	BLGN3A21G20	BLGN3A12G20	BLGN3A22G20
CO	BLGN3A11H20	BLGN3A21H20	BLGN3A12H20	BLGN3A22H20
HYD	BLGN3A11I20	BLGN3A21I20	BLGN3A12I20	BLGN3A22I20
PRO	BLGN3A11J20	BLGN3A21J20	BLGN3A12J20	BLGN3A22J20
ACET	BLGN3A11K20	BLGN3A21K20	BLGN3A12K20	BLGN3A22K20
CH4	BLGN3A11L20	BLGN3A21L20	BLGN3A12L20	BLGN3A22L20
SG	BLGN3A11M20	BLGN3A21M20	BLGN3A12M20	BLGN3A22M20

Overhead Mounted, Angle Pattern

Dual 180° Gas Needle Valve Assembly

- Solid brass turret with two 180° outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly

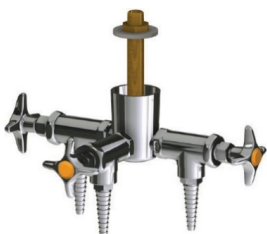


Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A25	BLGN3A21A25	BLGN3A12A25	BLGN3A22A25
VAC	BLGN3A11B25	BLGN3A21B25	BLGN3A12B25	BLGN3A22B25
GAS	BLGN3A11C25	BLGN3A21C25	BLGN3A12C25	BLGN3A22C25
NIT	BLGN3A11D25	BLGN3A21D25	BLGN3A12D25	BLGN3A22D25
HE	BLGN3A11F25	BLGN3A21F25	BLGN3A12F25	BLGN3A22F25
CO2	BLGN3A11G25	BLGN3A21G25	BLGN3A12G25	BLGN3A22G25
CO	BLGN3A11H25	BLGN3A21H25	BLGN3A12H25	BLGN3A22H25
HYD	BLGN3A11I25	BLGN3A21I25	BLGN3A12I25	BLGN3A22I25
PRO	BLGN3A11J25	BLGN3A21J25	BLGN3A12J25	BLGN3A22J25
ACET	BLGN3A11K25	BLGN3A21K25	BLGN3A12K25	BLGN3A22K25
CH4	BLGN3A11L25	BLGN3A21L25	BLGN3A12L25	BLGN3A22L25
SG	BLGN3A11M25	BLGN3A21M25	BLGN3A12M25	BLGN3A22M25

Overhead Mounted, Angle Pattern

Three Gas Needle Valve Assembly

- Solid brass turret with three outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



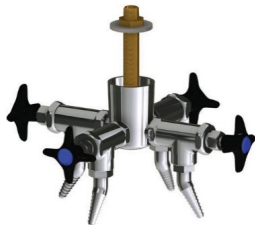
Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A30	BLGN3A21A30	BLGN3A12A30	BLGN3A22A30
VAC	BLGN3A11B30	BLGN3A21B30	BLGN3A12B30	BLGN3A22B30
GAS	BLGN3A11C30	BLGN3A21C30	BLGN3A12C30	BLGN3A22C30
NIT	BLGN3A11D30	BLGN3A21D30	BLGN3A12D30	BLGN3A22D30
HE	BLGN3A11F30	BLGN3A21F30	BLGN3A12F30	BLGN3A22F30
CO2	BLGN3A11G30	BLGN3A21G30	BLGN3A12G30	BLGN3A22G30
CO	BLGN3A11H30	BLGN3A21H30	BLGN3A12H30	BLGN3A22H30
HYD	BLGN3A11I30	BLGN3A21I30	BLGN3A12I30	BLGN3A22I30
PRO	BLGN3A11J30	BLGN3A21J30	BLGN3A12J30	BLGN3A22J30
ACET	BLGN3A11K30	BLGN3A21K30	BLGN3A12K30	BLGN3A22K30
CH4	BLGN3A11L30	BLGN3A21L30	BLGN3A12L30	BLGN3A22L30
SG	BLGN3A11M30	BLGN3A21M30	BLGN3A12M30	BLGN3A22M30

Gas Needle Valves & Fittings

Overhead Mounted, Angle Pattern

Four Needle Valve Assembly

- Solid brass turret with four outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A40	BLGN3A21A40	BLGN3A12A40	BLGN3A22A40
VAC	BLGN3A11B40	BLGN3A21B40	BLGN3A12B40	BLGN3A22B40
GAS	BLGN3A11C40	BLGN3A21C40	BLGN3A12C40	BLGN3A22C40
NIT	BLGN3A11D40	BLGN3A21D40	BLGN3A12D40	BLGN3A22D40
HE	BLGN3A11F40	BLGN3A21F40	BLGN3A12F40	BLGN3A22F40
CO2	BLGN3A11G40	BLGN3A21G40	BLGN3A12G40	BLGN3A22G40
CO	BLGN3A11H40	BLGN3A21H40	BLGN3A12H40	BLGN3A22H40
HYD	BLGN3A11I40	BLGN3A21I40	BLGN3A12I40	BLGN3A22I40
PRO	BLGN3A11J40	BLGN3A21J40	BLGN3A12J40	BLGN3A22J40
ACET	BLGN3A11K40	BLGN3A21K40	BLGN3A12K40	BLGN3A22K40
CH4	BLGN3A11L40	BLGN3A21L40	BLGN3A12L40	BLGN3A22L40
SG	BLGN3A11M40	BLGN3A21M40	BLGN3A12M40	BLGN3A22M40

Wall Mounted, Angle Pattern Single

Gas Needle Valve Assembly Less Shank

- Wall flange
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A50	BLGN3A21A50	BLGN3A12A50	BLGN3A22A50
VAC	BLGN3A11B50	BLGN3A21B50	BLGN3A12B50	BLGN3A22B50
GAS	BLGN3A11C50	BLGN3A21C50	BLGN3A12C50	BLGN3A22C50
NIT	BLGN3A11D50	BLGN3A21D50	BLGN3A12D50	BLGN3A22D50
HE	BLGN3A11F50	BLGN3A21F50	BLGN3A12F50	BLGN3A22F50
CO2	BLGN3A11G50	BLGN3A21G50	BLGN3A12G50	BLGN3A22G50
CO	BLGN3A11H50	BLGN3A21H50	BLGN3A12H50	BLGN3A22H50
HYD	BLGN3A11I50	BLGN3A21I50	BLGN3A12I50	BLGN3A22I50
PRO	BLGN3A11J50	BLGN3A21J50	BLGN3A12J50	BLGN3A22J50
ACET	BLGN3A11K50	BLGN3A21K50	BLGN3A12K50	BLGN3A22K50
CH4	BLGN3A11L50	BLGN3A21L50	BLGN3A12L50	BLGN3A22L50
SG	BLGN3A11M50	BLGN3A21M50	BLGN3A12M50	BLGN3A22M50

Wall Mounted, Angle Pattern Single

Gas Needle Valve Assembly With Shank

- Wall flange
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A55	BLGN3A21A55	BLGN3A12A55	BLGN3A22A55
VAC	BLGN3A11B55	BLGN3A21B55	BLGN3A12B55	BLGN3A22B55
GAS	BLGN3A11C55	BLGN3A21C55	BLGN3A12C55	BLGN3A22C55
NIT	BLGN3A11D55	BLGN3A21D55	BLGN3A12D55	BLGN3A22D55
HE	BLGN3A11F55	BLGN3A21F55	BLGN3A12F55	BLGN3A22F55
CO2	BLGN3A11G55	BLGN3A21G55	BLGN3A12G55	BLGN3A22G55
CO	BLGN3A11H55	BLGN3A21H55	BLGN3A12H55	BLGN3A22H55
HYD	BLGN3A11I55	BLGN3A21I55	BLGN3A12I55	BLGN3A22I55
PRO	BLGN3A11J55	BLGN3A21J55	BLGN3A12J55	BLGN3A22J55
ACET	BLGN3A11K55	BLGN3A21K55	BLGN3A12K55	BLGN3A22K55
CH4	BLGN3A11L55	BLGN3A21L55	BLGN3A12L55	BLGN3A22L55
SG	BLGN3A11M55	BLGN3A21M55	BLGN3A12M55	BLGN3A22M55

Gas Needle Valves & Fittings

Wall Mounted, "Y" Pattern Dual 90° Gas Needle Valve Assembly Less Shank

- "Y" pattern wall flange with two valves at 90°
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A60	BLGN3A21A60	BLGN3A12A60	BLGN3A22A60
VAC	BLGN3A11B60	BLGN3A21B60	BLGN3A12B60	BLGN3A22B60
GAS	BLGN3A11C60	BLGN3A21C60	BLGN3A12C60	BLGN3A22C60
NIT	BLGN3A11D60	BLGN3A21D60	BLGN3A12D60	BLGN3A22D60
HE	BLGN3A11F60	BLGN3A21F60	BLGN3A12F60	BLGN3A22F60
CO2	BLGN3A11G60	BLGN3A21G60	BLGN3A12G60	BLGN3A22G60
CO	BLGN3A11H60	BLGN3A21H60	BLGN3A12H60	BLGN3A22H60
HYD	BLGN3A11I60	BLGN3A21I60	BLGN3A12I60	BLGN3A22I60
PRO	BLGN3A11J60	BLGN3A21J60	BLGN3A12J60	BLGN3A22J60
ACET	BLGN3A11K60	BLGN3A21K60	BLGN3A12K60	BLGN3A22K60
CH4	BLGN3A11L60	BLGN3A21L60	BLGN3A12L60	BLGN3A22L60
SG	BLGN3A11M60	BLGN3A21M60	BLGN3A12M60	BLGN3A22M60

Wall Mounted, "Y" Pattern Dual 90° Gas Needle Valve Assembly With Shank

- "Y" pattern wall flange with two valves at 90°
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGN3A11A65	BLGN3A21A65	BLGN3A12A65	BLGN3A22A65
VAC	BLGN3A11B65	BLGN3A21B65	BLGN3A12B65	BLGN3A22B65
GAS	BLGN3A11C65	BLGN3A21C65	BLGN3A12C65	BLGN3A22C65
NIT	BLGN3A11D65	BLGN3A21D65	BLGN3A12D65	BLGN3A22D65
HE	BLGN3A11F65	BLGN3A21F65	BLGN3A12F65	BLGN3A22F65
CO2	BLGN3A11G65	BLGN3A21G65	BLGN3A12G65	BLGN3A22G65
CO	BLGN3A11H65	BLGN3A21H65	BLGN3A12H65	BLGN3A22H65
HYD	BLGN3A11I65	BLGN3A21I65	BLGN3A12I65	BLGN3A22I65
PRO	BLGN3A11J65	BLGN3A21J65	BLGN3A12J65	BLGN3A22J65
ACET	BLGN3A11K65	BLGN3A21K65	BLGN3A12K65	BLGN3A22K65
CH4	BLGN3A11L65	BLGN3A21L65	BLGN3A12L65	BLGN3A22L65
SG	BLGN3A11M65	BLGN3A21M65	BLGN3A12M65	BLGN3A22M65

Fine Gas Needle Valves & Fittings

How to build and order laboratory fine control gas needle valve fittings

We make it clear for you to build fine control gas needle valve fittings that meet your requirements. You can reference the information on the following pages, or you can build your own valve by choosing the components below to configure your model number.

BLGFABCDEF

LGF = Lab Gas Fine Control

Example



BLGF1A21A25

Straight valves with 30° outlets, metal lever handles with AIR index buttons, & single hole turret

A.

Valve Base



Straight Valve



Angle Valve

B.

Cartridge



Compression

C.

Outlet



Straight Nozzle



30° Nozzle

D.

Handle



Metal



Plastic

E.

Button



Air



Vacuum



Gas



Nitrogen



Oxygen



Helium



Carbon Dioxide



Carbon Monoxide



Hydrogen



Propane



Acetylene



Methane



Specialty Gas

F.

Turret



Single



Dual 90°



Dual 180°



Three Hole



Four Hole



Single Wall Flange



Single Wall Flange With Shank



Dual Wall Flange



Dual Wall Flange With Shank

Gas Needle Valves & Fittings

Specifications

Finish

- Chrome-plated (Standard)
- Powder-coated paint RAL 7035 (Optional)

Maximum Working Pressure

- 145 psig (10 bar)

Pressure Test

- 145 psig

Working Temperature

- Not recommended for below 32° F

Assembly

- Fully assembled and pressure tested

Material of Construction

- Brass

Inlet Connection

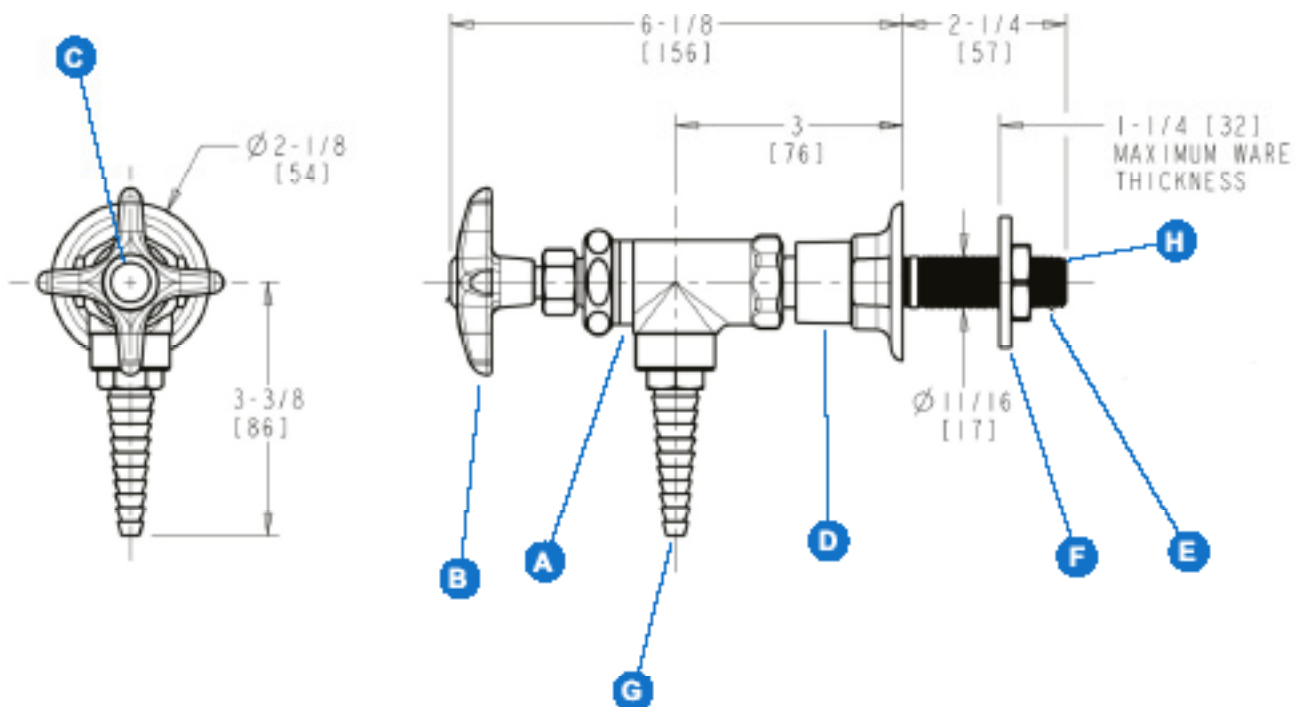
- 3/8" M.NPT **H**

Purity

- 4.0 = 99.99%

- A** Multi turn compression cartridge
- B** Metal or plastic handle
- C** Index (gas service) button
- D** Single wall flange
- E** Shank
- F** Lock nut and washer
- G** Outlet (serrated straight nozzle shown)

Example shown: **BLGF3A12C55**



Fine Gas Needle Valves & Fittings

Straight Pattern

Gas Fine Control Needle Valve

- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A	BLGF1A21A	BLGF1A12A	BLGF1A22A
VAC	BLGF1A11B	BLGF1A21B	BLGF1A12B	BLGF1A22B
GAS	BLGF1A11C	BLGF1A21C	BLGF1A12C	BLGF1A22C
NIT	BLGF1A11D	BLGF1A21D	BLGF1A12D	BLGF1A22D
HE	BLGF1A11F	BLGF1A21F	BLGF1A12F	BLGF1A22F
CO2	BLGF1A11G	BLGF1A21G	BLGF1A12G	BLGF1A22G
CO	BLGF1A11H	BLGF1A21H	BLGF1A12H	BLGF1A22H
HYD	BLGF1A11I	BLGF1A21I	BLGF1A12I	BLGF1A22I
PRO	BLGF1A11J	BLGF1A21J	BLGF1A12J	BLGF1A22J
ACET	BLGF1A11K	BLGF1A21K	BLGF1A12K	BLGF1A22K
CH4	BLGF1A11L	BLGF1A21L	BLGF1A12L	BLGF1A22L
SG	BLGF1A11M	BLGF1A21M	BLGF1A12M	BLGF1A22M

Deck Mounted, Straight Pattern Single Gas Fine Control Needle Valve Assembly

- Solid brass turret with one outlet
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A10	BLGF1A21A10	BLGF1A12A10	BLGF1A22A10
VAC	BLGF1A11B10	BLGF1A21B10	BLGF1A12B10	BLGF1A22B10
GAS	BLGF1A11C10	BLGF1A21C10	BLGF1A12C10	BLGF1A22C10
NIT	BLGF1A11D10	BLGF1A21D10	BLGF1A12D10	BLGF1A22D10
HE	BLGF1A11F10	BLGF1A21F10	BLGF1A12F10	BLGF1A22F10
CO2	BLGF1A11G10	BLGF1A21G10	BLGF1A12G10	BLGF1A22G10
CO	BLGF1A11H10	BLGF1A21H10	BLGF1A12H10	BLGF1A22H10
HYD	BLGF1A11I10	BLGF1A21I10	BLGF1A12I10	BLGF1A22I10
PRO	BLGF1A11J10	BLGF1A21J10	BLGF1A12J10	BLGF1A22J10
ACET	BLGF1A11K10	BLGF1A21K10	BLGF1A12K10	BLGF1A22K10
CH4	BLGF1A11L10	BLGF1A21L10	BLGF1A12L10	BLGF1A22L10
SG	BLGF1A11M10	BLGF1A21M10	BLGF1A12M10	BLGF1A22M10

Deck Mounted, Straight Pattern Dual 90° Gas Fine Control Needle Valve Assembly

- Solid brass turret with two 90° outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A20	BLGF1A21A20	BLGF1A12A20	BLGF1A22A20
VAC	BLGF1A11B20	BLGF1A21B20	BLGF1A12B20	BLGF1A22B20
GAS	BLGF1A11C20	BLGF1A21C20	BLGF1A12C20	BLGF1A22C20
NIT	BLGF1A11D20	BLGF1A21D20	BLGF1A12D20	BLGF1A22D20
HE	BLGF1A11F20	BLGF1A21F20	BLGF1A12F20	BLGF1A22F20
CO2	BLGF1A11G20	BLGF1A21G20	BLGF1A12G20	BLGF1A22G20
CO	BLGF1A11H20	BLGF1A21H20	BLGF1A12H20	BLGF1A22H20
HYD	BLGF1A11I20	BLGF1A21I20	BLGF1A12I20	BLGF1A22I20
PRO	BLGF1A11J20	BLGF1A21J20	BLGF1A12J20	BLGF1A22J20
ACET	BLGF1A11K20	BLGF1A21K20	BLGF1A12K20	BLGF1A22K20
CH4	BLGF1A11L20	BLGF1A21L20	BLGF1A12L20	BLGF1A22L20
SG	BLGF1A11M20	BLGF1A21M20	BLGF1A12M20	BLGF1A22M20

Fine Gas Needle Valves & Fittings

Deck Mounted, Straight Pattern Dual 180° Gas Fine Control Needle Valve Assembly

- Solid brass turret with two 180° outlets
- Solid brass a valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Deck Mounted, Straight Pattern Three Gas Fine Control Needle Valve Assembly

- Solid brass turret with three outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Deck Mounted, Straight Pattern Four Gas Fine Control Needle Valve Assembly

- Solid brass turret with four outlets
- Solid brass straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A25	BLGF1A21A25	BLGF1A12A25	BLGF1A22A25
VAC	BLGF1A11B25	BLGF1A21B25	BLGF1A12B25	BLGF1A22B25
GAS	BLGF1A11C25	BLGF1A21C25	BLGF1A12C25	BLGF1A22C25
NIT	BLGF1A11D25	BLGF1A21D25	BLGF1A12D25	BLGF1A22D25
HE	BLGF1A11F25	BLGF1A21F25	BLGF1A12F25	BLGF1A22F25
CO2	BLGF1A11G25	BLGF1A21G25	BLGF1A12G25	BLGF1A22G25
CO	BLGF1A11H25	BLGF1A21H25	BLGF1A12H25	BLGF1A22H25
HYD	BLGF1A11I25	BLGF1A21I25	BLGF1A12I25	BLGF1A22I25
PRO	BLGF1A11J25	BLGF1A21J25	BLGF1A12J25	BLGF1A22J25
ACET	BLGF1A11K25	BLGF1A21K25	BLGF1A12K25	BLGF1A22K25
CH4	BLGF1A11L25	BLGF1A21L25	BLGF1A12L25	BLGF1A22L25
SG	BLGF1A11M25	BLGF1A21M25	BLGF1A12M25	BLGF1A22M25

Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A30	BLGF1A21A30	BLGF1A12A30	BLGF1A22A30
VAC	BLGF1A11B30	BLGF1A21B30	BLGF1A12B30	BLGF1A22B30
GAS	BLGF1A11C30	BLGF1A21C30	BLGF1A12C30	BLGF1A22C30
NIT	BLGF1A11D30	BLGF1A21D30	BLGF1A12D30	BLGF1A22D30
HE	BLGF1A11F30	BLGF1A21F30	BLGF1A12F30	BLGF1A22F30
CO2	BLGF1A11G30	BLGF1A21G30	BLGF1A12G30	BLGF1A22G30
CO	BLGF1A11H30	BLGF1A21H30	BLGF1A12H30	BLGF1A22H30
HYD	BLGF1A11I30	BLGF1A21I30	BLGF1A12I30	BLGF1A22I30
PRO	BLGF1A11J30	BLGF1A21J30	BLGF1A12J30	BLGF1A22J30
ACET	BLGF1A11K30	BLGF1A21K30	BLGF1A12K30	BLGF1A22K30
CH4	BLGF1A11L30	BLGF1A21L30	BLGF1A12L30	BLGF1A22L30
SG	BLGF1A11M30	BLGF1A21M30	BLGF1A12M30	BLGF1A22M30

Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A40	BLGF1A21A40	BLGF1A12A40	BLGF1A22A40
VAC	BLGF1A11B40	BLGF1A21B40	BLGF1A12B40	BLGF1A22B40
GAS	BLGF1A11C40	BLGF1A21C40	BLGF1A12C40	BLGF1A22C40
NIT	BLGF1A11D40	BLGF1A21D40	BLGF1A12D40	BLGF1A22D40
HE	BLGF1A11F40	BLGF1A21F40	BLGF1A12F40	BLGF1A22F40
CO2	BLGF1A11G40	BLGF1A21G40	BLGF1A12G40	BLGF1A22G40
CO	BLGF1A11H40	BLGF1A21H40	BLGF1A12H40	BLGF1A22H40
HYD	BLGF1A11I40	BLGF1A21I40	BLGF1A12I40	BLGF1A22I40
PRO	BLGF1A11J40	BLGF1A21J40	BLGF1A12J40	BLGF1A22J40
ACET	BLGF1A11K40	BLGF1A21K40	BLGF1A12K40	BLGF1A22K40
CH4	BLGF1A11L40	BLGF1A21L40	BLGF1A12L40	BLGF1A22L40
SG	BLGF1A11M40	BLGF1A21M40	BLGF1A12M40	BLGF1A22M40

Fine Gas Needle Valves & Fittings

Wall Mounted, Straight Pattern Single Gas Fine Control Needle Valve Assembly Less Shank

- Wall flange
- Solid brass wall flange and straight valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A50	BLGF1A21A50	BLGF1A12A50	BLGF1A22A50
VAC	BLGF1A11B50	BLGF1A21B50	BLGF1A12B50	BLGF1A22B50
GAS	BLGF1A11C50	BLGF1A21C50	BLGF1A12C50	BLGF1A22C50
NIT	BLGF1A11D50	BLGF1A21D50	BLGF1A12D50	BLGF1A22D50
HE	BLGF1A11F50	BLGF1A21F50	BLGF1A12F50	BLGF1A22F50
CO2	BLGF1A11G50	BLGF1A21G50	BLGF1A12G50	BLGF1A22G50
CO	BLGF1A11H50	BLGF1A21H50	BLGF1A12H50	BLGF1A22H50
HYD	BLGF1A11I50	BLGF1A21I50	BLGF1A12I50	BLGF1A22I50
PRO	BLGF1A11J50	BLGF1A21J50	BLGF1A12J50	BLGF1A22J50
ACET	BLGF1A11K50	BLGF1A21K50	BLGF1A12K50	BLGF1A22K50
CH4	BLGF1A11L50	BLGF1A21L50	BLGF1A12L50	BLGF1A22L50
SG	BLGF1A11M50	BLGF1A21M50	BLGF1A12M50	BLGF1A22M50

Wall Mounted, Straight Pattern Single Gas Fine Control Needle Valve Assembly With Shank

- Wall flange
- Solid brass wall flange and straight valve body with shank
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A55	BLGF1A21A55	BLGF1A12A55	BLGF1A22A55
VAC	BLGF1A11B55	BLGF1A21B55	BLGF1A12B55	BLGF1A22B55
GAS	BLGF1A11C55	BLGF1A21C55	BLGF1A12C55	BLGF1A22C55
NIT	BLGF1A11D55	BLGF1A21D55	BLGF1A12D55	BLGF1A22D55
HE	BLGF1A11F55	BLGF1A21F55	BLGF1A12F55	BLGF1A22F55
CO2	BLGF1A11G55	BLGF1A21G55	BLGF1A12G55	BLGF1A22G55
CO	BLGF1A11H55	BLGF1A21H55	BLGF1A12H55	BLGF1A22H55
HYD	BLGF1A11I55	BLGF1A21I55	BLGF1A12I55	BLGF1A22I55
PRO	BLGF1A11J55	BLGF1A21J55	BLGF1A12J55	BLGF1A22J55
ACET	BLGF1A11K55	BLGF1A21K55	BLGF1A12K55	BLGF1A22K55
CH4	BLGF1A11L55	BLGF1A21L55	BLGF1A12L55	BLGF1A22L55
SG	BLGF1A11M55	BLGF1A21M55	BLGF1A12M55	BLGF1A22M55

Wall Mounted, "Y" Pattern Dual 90° Gas Fine Control Needle Valve Assembly Less Shank

- "Y" pattern wall flange with two valves at 90°
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A60	BLGF1A21A60	BLGF1A12A60	BLGF1A22A60
VAC	BLGF1A11B60	BLGF1A21B60	BLGF1A12B60	BLGF1A22B60
GAS	BLGF1A11C60	BLGF1A21C60	BLGF1A12C60	BLGF1A22C60
NIT	BLGF1A11D60	BLGF1A21D60	BLGF1A12D60	BLGF1A22D60
HE	BLGF1A11F60	BLGF1A21F60	BLGF1A12F60	BLGF1A22F60
CO2	BLGF1A11G60	BLGF1A21G60	BLGF1A12G60	BLGF1A22G60
CO	BLGF1A11H60	BLGF1A21H60	BLGF1A12H60	BLGF1A22H60
HYD	BLGF1A11I60	BLGF1A21I60	BLGF1A12I60	BLGF1A22I60
PRO	BLGF1A11J60	BLGF1A21J60	BLGF1A12J60	BLGF1A22J60
ACET	BLGF1A11K60	BLGF1A21K60	BLGF1A12K60	BLGF1A22K60
CH4	BLGF1A11L60	BLGF1A21L60	BLGF1A12L60	BLGF1A22L60
SG	BLGF1A11M60	BLGF1A21M60	BLGF1A12M60	BLGF1A22M60

Fine Gas Needle Valves & Fittings

Wall Mounted, "Y" Pattern Dual 90° Gas Fine Control Needle Valve Assembly With Shank

- Solid brass turret with two 180° outlets
- Solid brass a valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF1A11A65	BLGF1A21A65	BLGF1A12A65	BLGF1A22A65
VAC	BLGF1A11B65	BLGF1A21B65	BLGF1A12B65	BLGF1A22B65
GAS	BLGF1A11C65	BLGF1A21C65	BLGF1A12C65	BLGF1A22C65
NIT	BLGF1A11D65	BLGF1A21D65	BLGF1A12D65	BLGF1A22D65
HE	BLGF1A11F65	BLGF1A21F65	BLGF1A12F65	BLGF1A22F65
CO2	BLGF1A11G65	BLGF1A21G65	BLGF1A12G65	BLGF1A22G65
CO	BLGF1A11H65	BLGF1A21H65	BLGF1A12H65	BLGF1A22H65
HYD	BLGF1A11I65	BLGF1A21I65	BLGF1A12I65	BLGF1A22I65
PRO	BLGF1A11J65	BLGF1A21J65	BLGF1A12J65	BLGF1A22J65
ACET	BLGF1A11K65	BLGF1A21K65	BLGF1A12K65	BLGF1A22K65
CH4	BLGF1A11L65	BLGF1A21L65	BLGF1A12L65	BLGF1A22L65
SG	BLGF1A11M65	BLGF1A21M65	BLGF1A12M65	BLGF1A22M65

Angle Pattern

Gas Fine Control Needle Valve

- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A	BLGF3A21A	BLGF3A12A	BLGF3A22A
VAC	BLGF3A11B	BLGF3A21B	BLGF3A12B	BLGF3A22B
GAS	BLGF3A11C	BLGF3A21C	BLGF3A12C	BLGF3A22C
NIT	BLGF3A11D	BLGF3A21D	BLGF3A12D	BLGF3A22D
HE	BLGF3A11F	BLGF3A21F	BLGF3A12F	BLGF3A22F
CO2	BLGF3A11G	BLGF3A21G	BLGF3A12G	BLGF3A22G
CO	BLGF3A11H	BLGF3A21H	BLGF3A12H	BLGF3A22H
HYD	BLGF3A11I	BLGF3A21I	BLGF3A12I	BLGF3A22I
PRO	BLGF3A11J	BLGF3A21J	BLGF3A12J	BLGF3A22J
ACET	BLGF3A11K	BLGF3A21K	BLGF3A12K	BLGF3A22K
CH4	BLGF3A11L	BLGF3A21L	BLGF3A12L	BLGF3A22L
SG	BLGF3A11M	BLGF3A21M	BLGF3A12M	BLGF3A22M

Overhead Mounted, Angle Pattern Single Gas Fine Control Needle Valve Assembly

- Solid brass turret with one outlet
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A10	BLGF3A21A10	BLGF3A12A10	BLGF3A22A10
VAC	BLGF3A11B10	BLGF3A21B10	BLGF3A12B10	BLGF3A22B10
GAS	BLGF3A11C10	BLGF3A21C10	BLGF3A12C10	BLGF3A22C10
NIT	BLGF3A11D10	BLGF3A21D10	BLGF3A12D10	BLGF3A22D10
HE	BLGF3A11F10	BLGF3A21F10	BLGF3A12F10	BLGF3A22F10
CO2	BLGF3A11G10	BLGF3A21G10	BLGF3A12G10	BLGF3A22G10
CO	BLGF3A11H10	BLGF3A21H10	BLGF3A12H10	BLGF3A22H10
HYD	BLGF3A11I10	BLGF3A21I10	BLGF3A12I10	BLGF3A22I10
PRO	BLGF3A11J10	BLGF3A21J10	BLGF3A12J10	BLGF3A22J10
ACET	BLGF3A11K10	BLGF3A21K10	BLGF3A12K10	BLGF3A22K10
CH4	BLGF3A11L10	BLGF3A21L10	BLGF3A12L10	BLGF3A22L10
SG	BLGF3A11M10	BLGF3A21M10	BLGF3A12M10	BLGF3A22M10

Fine Gas Needle Valves & Fittings

Overhead Mounted, Angle Pattern Dual 90° Gas Fine Control Needle Valve Assembly

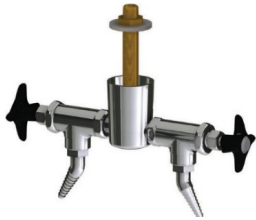
- Solid brass turret with two 90° outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A20	BLGF3A21A20	BLGF3A12A20	BLGF3A22A20
VAC	BLGF3A11B20	BLGF3A21B20	BLGF3A12B20	BLGF3A22B20
GAS	BLGF3A11C20	BLGF3A21C20	BLGF3A12C20	BLGF3A22C20
NIT	BLGF3A11D20	BLGF3A21D20	BLGF3A12D20	BLGF3A22D20
HE	BLGF3A11F20	BLGF3A21F20	BLGF3A12F20	BLGF3A22F20
CO2	BLGF3A11G20	BLGF3A21G20	BLGF3A12G20	BLGF3A22G20
CO	BLGF3A11H20	BLGF3A21H20	BLGF3A12H20	BLGF3A22H20
HYD	BLGF3A11I20	BLGF3A21I20	BLGF3A12I20	BLGF3A22I20
PRO	BLGF3A11J20	BLGF3A21J20	BLGF3A12J20	BLGF3A22J20
ACET	BLGF3A11K20	BLGF3A21K20	BLGF3A12K20	BLGF3A22K20
CH4	BLGF3A11L20	BLGF3A21L20	BLGF3A12L20	BLGF3A22L20
SG	BLGF3A11M20	BLGF3A21M20	BLGF3A12M20	BLGF3A22M20

Overhead Mounted, Angle Pattern Dual 180° Gas Fine Control Needle Valve Assembly

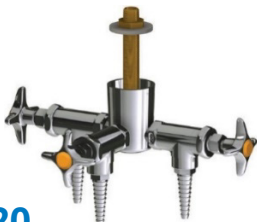
- Solid brass turret with two 180° outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A25	BLGF3A21A25	BLGF3A12A25	BLGF3A22A25
VAC	BLGF3A11B25	BLGF3A21B25	BLGF3A12B25	BLGF3A22B25
GAS	BLGF3A11C25	BLGF3A21C25	BLGF3A12C25	BLGF3A22C25
NIT	BLGF3A11D25	BLGF3A21D25	BLGF3A12D25	BLGF3A22D25
HE	BLGF3A11F25	BLGF3A21F25	BLGF3A12F25	BLGF3A22F25
CO2	BLGF3A11G25	BLGF3A21G25	BLGF3A12G25	BLGF3A22G25
CO	BLGF3A11H25	BLGF3A21H25	BLGF3A12H25	BLGF3A22H25
HYD	BLGF3A11I25	BLGF3A21I25	BLGF3A12I25	BLGF3A22I25
PRO	BLGF3A11J25	BLGF3A21J25	BLGF3A12J25	BLGF3A22J25
ACET	BLGF3A11K25	BLGF3A21K25	BLGF3A12K25	BLGF3A22K25
CH4	BLGF3A11L25	BLGF3A21L25	BLGF3A12L25	BLGF3A22L25
SG	BLGF3A11M25	BLGF3A21M25	BLGF3A12M25	BLGF3A22M25

Overhead Mounted, Angle Pattern Three Gas Fine Control Needle Valve Assembly

- Solid brass turret with four outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly

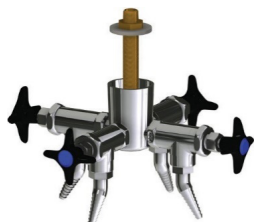


Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A30	BLGF3A21A30	BLGF3A12A30	BLGF3A22A30
VAC	BLGF3A11B30	BLGF3A21B30	BLGF3A12B30	BLGF3A22B30
GAS	BLGF3A11C30	BLGF3A21C30	BLGF3A12C30	BLGF3A22C30
NIT	BLGF3A11D30	BLGF3A21D30	BLGF3A12D30	BLGF3A22D30
HE	BLGF3A11F30	BLGF3A21F30	BLGF3A12F30	BLGF3A22F30
CO2	BLGF3A11G30	BLGF3A21G30	BLGF3A12G30	BLGF3A22G30
CO	BLGF3A11H30	BLGF3A21H30	BLGF3A12H30	BLGF3A22H30
HYD	BLGF3A11I30	BLGF3A21I30	BLGF3A12I30	BLGF3A22I30
PRO	BLGF3A11J30	BLGF3A21J30	BLGF3A12J30	BLGF3A22J30
ACET	BLGF3A11K30	BLGF3A21K30	BLGF3A12K30	BLGF3A22K30
CH4	BLGF3A11L30	BLGF3A21L30	BLGF3A12L30	BLGF3A22L30
SG	BLGF3A11M30	BLGF3A21M30	BLGF3A12M30	BLGF3A22M30

Fine Gas Needle Valves & Fittings

Overhead Mounted, Angle Pattern Four Gas Fine Control Needle Valve Assembly

- Solid brass turret with four outlets
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Wall Mounted, Straight Pattern Single Gas Fine Control Needle Valve Assembly Less Shank

- Wall flange
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Wall Mounted, Straight Pattern Single Gas Fine Control Needle Valve Assembly With Shank

- Wall flange
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A40	BLGF3A21A40	BLGF3A12A40	BLGF3A22A40
VAC	BLGF3A11B40	BLGF3A21B40	BLGF3A12B40	BLGF3A22B40
GAS	BLGF3A11C40	BLGF3A21C40	BLGF3A12C40	BLGF3A22C40
NIT	BLGF3A11D40	BLGF3A21D40	BLGF3A12D40	BLGF3A22D40
HE	BLGF3A11F40	BLGF3A21F40	BLGF3A12F40	BLGF3A22F40
CO2	BLGF3A11G40	BLGF3A21G40	BLGF3A12G40	BLGF3A22G40
CO	BLGF3A11H40	BLGF3A21H40	BLGF3A12H40	BLGF3A22H40
HYD	BLGF3A11I40	BLGF3A21I40	BLGF3A12I40	BLGF3A22I40
PRO	BLGF3A11J40	BLGF3A21J40	BLGF3A12J40	BLGF3A22J40
ACET	BLGF3A11K40	BLGF3A21K40	BLGF3A12K40	BLGF3A22K40
CH4	BLGF3A11L40	BLGF3A21L40	BLGF3A12L40	BLGF3A22L40
SG	BLGF3A11M40	BLGF3A21M40	BLGF3A12M40	BLGF3A22M40

Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A50	BLGF3A21A50	BLGF3A12A50	BLGF3A22A50
VAC	BLGF3A11B50	BLGF3A21B50	BLGF3A12B50	BLGF3A22B50
GAS	BLGF3A11C50	BLGF3A21C50	BLGF3A12C50	BLGF3A22C50
NIT	BLGF3A11D50	BLGF3A21D50	BLGF3A12D50	BLGF3A22D50
HE	BLGF3A11F50	BLGF3A21F50	BLGF3A12F50	BLGF3A22F50
CO2	BLGF3A11G50	BLGF3A21G50	BLGF3A12G50	BLGF3A22G50
CO	BLGF3A11H50	BLGF3A21H50	BLGF3A12H50	BLGF3A22H50
HYD	BLGF3A11I50	BLGF3A21I50	BLGF3A12I50	BLGF3A22I50
PRO	BLGF3A11J50	BLGF3A21J50	BLGF3A12J50	BLGF3A22J50
ACET	BLGF3A11K50	BLGF3A21K50	BLGF3A12K50	BLGF3A22K50
CH4	BLGF3A11L50	BLGF3A21L50	BLGF3A12L50	BLGF3A22L50
SG	BLGF3A11M50	BLGF3A21M50	BLGF3A12M50	BLGF3A22M50

Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A55	BLGF3A21A55	BLGF3A12A55	BLGF3A22A55
VAC	BLGF3A11B55	BLGF3A21B55	BLGF3A12B55	BLGF3A22B55
GAS	BLGF3A11C55	BLGF3A21C55	BLGF3A12C55	BLGF3A22C55
NIT	BLGF3A11D55	BLGF3A21D55	BLGF3A12D55	BLGF3A22D55
HE	BLGF3A11F55	BLGF3A21F55	BLGF3A12F55	BLGF3A22F55
CO2	BLGF3A11G55	BLGF3A21G55	BLGF3A12G55	BLGF3A22G55
CO	BLGF3A11H55	BLGF3A21H55	BLGF3A12H55	BLGF3A22H55
HYD	BLGF3A11I55	BLGF3A21I55	BLGF3A12I55	BLGF3A22I55
PRO	BLGF3A11J55	BLGF3A21J55	BLGF3A12J55	BLGF3A22J55
ACET	BLGF3A11K55	BLGF3A21K55	BLGF3A12K55	BLGF3A22K55
CH4	BLGF3A11L55	BLGF3A21L55	BLGF3A12L55	BLGF3A22L55
SG	BLGF3A11M55	BLGF3A21M55	BLGF3A12M55	BLGF3A22M55

Fine Gas Needle Valves & Fittings

Wall Mounted, "Y" Pattern Dual 90° Gas Fine Control Needle Valve Assembly Less Shank

- "Y" pattern wall flange with two valves at 90°
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT female thread inlet



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A60	BLGF3A21A60	BLGF3A12A60	BLGF3A22A60
VAC	BLGF3A11B60	BLGF3A21B60	BLGF3A12B60	BLGF3A22B60
GAS	BLGF3A11C60	BLGF3A21C60	BLGF3A12C60	BLGF3A22C60
NIT	BLGF3A11D60	BLGF3A21D60	BLGF3A12D60	BLGF3A22D60
HE	BLGF3A11F60	BLGF3A21F60	BLGF3A12F60	BLGF3A22F60
CO2	BLGF3A11G60	BLGF3A21G60	BLGF3A12G60	BLGF3A22G60
CO	BLGF3A11H60	BLGF3A21H60	BLGF3A12H60	BLGF3A22H60
HYD	BLGF3A11I60	BLGF3A21I60	BLGF3A12I60	BLGF3A22I60
PRO	BLGF3A11J60	BLGF3A21J60	BLGF3A12J60	BLGF3A22J60
ACET	BLGF3A11K60	BLGF3A21K60	BLGF3A12K60	BLGF3A22K60
CH4	BLGF3A11L60	BLGF3A21L60	BLGF3A12L60	BLGF3A22L60
SG	BLGF3A11M60	BLGF3A21M60	BLGF3A12M60	BLGF3A22M60

Wall Mounted, "Y" Pattern Dual 90° Gas Fine Control Needle Valve Assembly With Shank

- "Y" pattern wall flange with two valves at 90°
- Solid brass angle valve body
- Polished chrome plated finish
- 2-1/2" vandal proof cross handle
- 3/8" - 18 NPT male thread shank assembly



Index Button	Metal Handle		Plastic Handle	
	Straight Nozzle	30° Nozzle	Straight Nozzle	30° Nozzle
AIR	BLGF3A11A65	BLGF3A21A65	BLGF3A12A65	BLGF3A22A65
VAC	BLGF3A11B65	BLGF3A21B65	BLGF3A12B65	BLGF3A22B65
GAS	BLGF3A11C65	BLGF3A21C65	BLGF3A12C65	BLGF3A22C65
NIT	BLGF3A11D65	BLGF3A21D65	BLGF3A12D65	BLGF3A22D65
HE	BLGF3A11F65	BLGF3A21F65	BLGF3A12F65	BLGF3A22F65
CO2	BLGF3A11G65	BLGF3A21G65	BLGF3A12G65	BLGF3A22G65
CO	BLGF3A11H65	BLGF3A21H65	BLGF3A12H65	BLGF3A22H65
HYD	BLGF3A11I65	BLGF3A21I65	BLGF3A12I65	BLGF3A22I65
PRO	BLGF3A11J65	BLGF3A21J65	BLGF3A12J65	BLGF3A22J65
ACET	BLGF3A11K65	BLGF3A21K65	BLGF3A12K65	BLGF3A22K65
CH4	BLGF3A11L65	BLGF3A21L65	BLGF3A12L65	BLGF3A22L65
SG	BLGF3A11M65	BLGF3A21M65	BLGF3A12M65	BLGF3A22M65

Ball Valves & Fittings

How to build and order laboratory gas ball valve fittings

We make it clear for you to build gas ball valve fittings that meet your requirements. You can reference the information on the following pages, or you can build your own valve by choosing the components below to configure your model number.

BLGBABCDE

LGB = Lab Gas Ball Valve

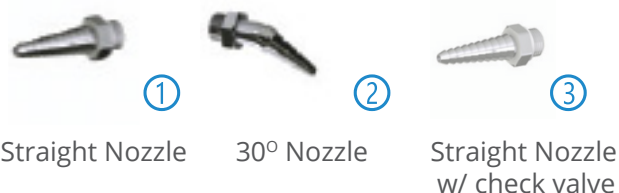
A.

Valve Base



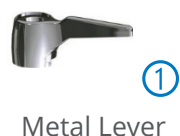
B.

Outlet



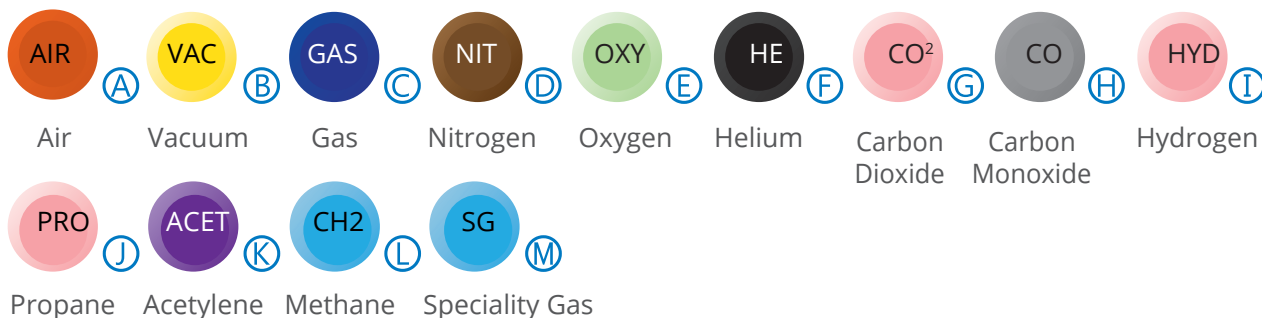
C.

Handle



D.

Button



E.

Turret



Example



BLGB121A10

Straight valves with 30° NOZZLE, metal lever handles with AIR index buttons, & single hole turret

Ball Valves & Fittings

Specifications

Finish

- Chrome-plated (Standard)
- Powder-coated paint RAL 7035 (Optional)

Maximum Working Pressure

- 145 psig (10 bar)

Pressure Test

- 85 psig

Working Temperature

- Not recommended for below 32° F

Assembly

- Fully assembled and pressure tested

Material of Construction

- Brass

Inlet Connection

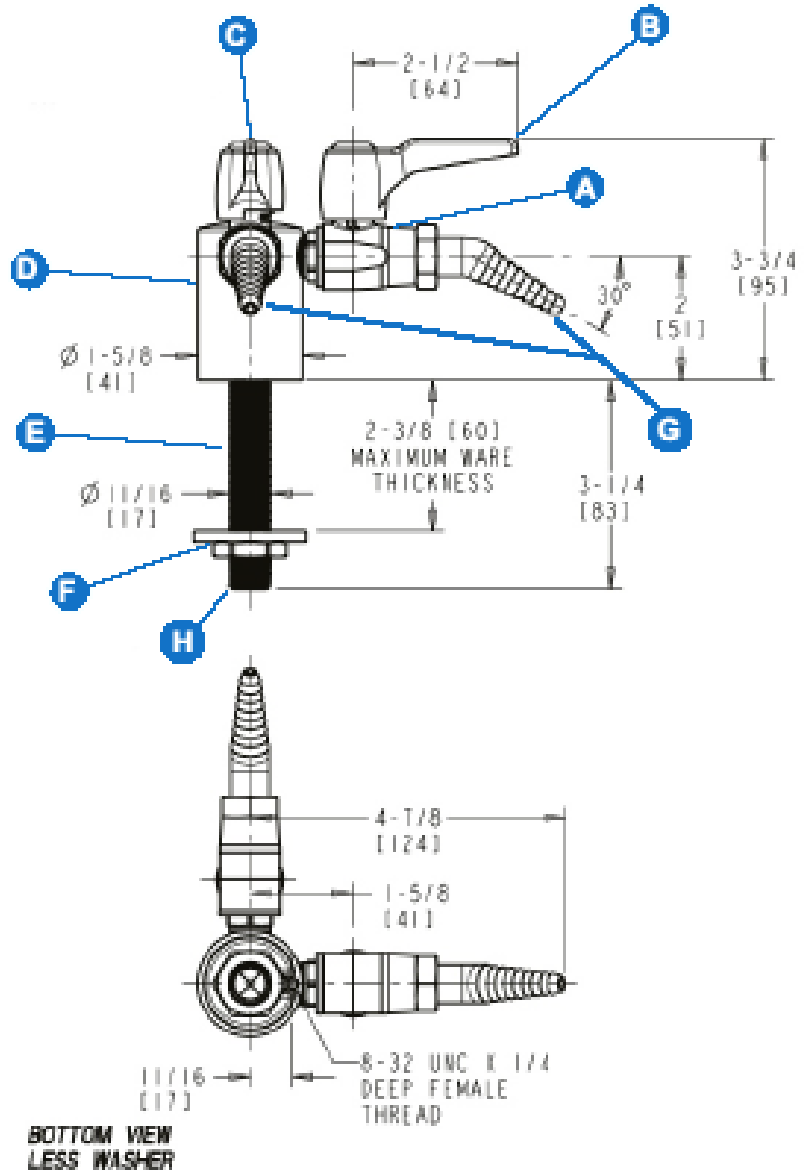
- 3/8" M.NPT



Purity

- 4.0 = 99.99%

Example shown: **BLGB121D20**



- A** 1/4 turn ball valve
- B** Lever handle
- C** Index (gas service) button
- D** Turret
- E** Shank
- F** Lock nut and washer
- G** Outlet (serrated 30° angle nozzle shown)

Ball Valves & Fittings

Straight Pattern

Ball Valve

- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread inlet



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A	BLGB121A	BLGB131A
VAC	BLGB111B	BLGB121B	BLGB131C
GAS	BLGB111C	BLGB121C	BLGB131C
NIT	BLGB111D	BLGB121D	BLGB131D
HE	BLGB111F	BLGB121F	BLGB131F
CO2	BLGB111G	BLGB121G	BLGB131G
CO	BLGB111H	BLGB121H	BLGB131H
HYD	BLGB111I	BLGB121I	BLGB131I
PRO	BLGB111J	BLGB121J	BLGB131J
ACET	BLGB111K	BLGB121K	BLGB131K
CH4	BLGB111L	BLGB121L	BLGB131L
SG	BLGB111M	BLGB121M	BLGB131M

Deck Mounted, Straight Pattern Single Gas Ball Valve Assembly

- Solid brass turret with one outlet
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A10	BLGB121A10	BLGB131A10
VAC	BLGB111B10	BLGB121B10	BLGB131B10
GAS	BLGB111C10	BLGB121C10	BLGB131C10
NIT	BLGB111D10	BLGB121D10	BLGB131D10
HE	BLGB111F10	BLGB121F10	BLGB131F10
CO2	BLGB111G10	BLGB121G10	BLGB131G10
CO	BLGB111H10	BLGB121H10	BLGB131H10
HYD	BLGB111I10	BLGB121I10	BLGB131I10
PRO	BLGB111J10	BLGB121J10	BLGB131J10
ACET	BLGB111K10	BLGB121K10	BLGB131K10
CH4	BLGB111L10	BLGB121L10	BLGB131L10
SG	BLGB111M10	BLGB121M10	BLGB131M10

Deck Mounted, Straight Pattern Dual 90° Gas Ball Valve Assembly

- Solid brass turret with two 90° outlets
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread shank assembly



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A20	BLGB121A20	BLGB131A20
VAC	BLGB111B20	BLGB121B20	BLGB131B20
GAS	BLGB111C20	BLGB121C20	BLGB131C20
NIT	BLGB111D20	BLGB121D20	BLGB131D20
HE	BLGB111F20	BLGB121F20	BLGB131F20
CO2	BLGB111G20	BLGB121G20	BLGB131G20
CO	BLGB111H20	BLGB121H20	BLGB131H20
HYD	BLGB111I20	BLGB121I20	BLGB131I20
PRO	BLGB111J20	BLGB121J20	BLGB131J20
ACET	BLGB111K20	BLGB121K20	BLGB131K20
CH4	BLGB111L20	BLGB121L20	BLGB131L20
SG	BLGB111M20	BLGB121M20	BLGB131M20

Ball Valves & Fittings

Deck Mounted, Straight Pattern Dual 180° Gas Ball Valve Assembly

- Solid brass turret with two 180° outlets
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread shank assembly



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A25	BLGB121A25	BLGB131A25
VAC	BLGB111B25	BLGB121B25	BLGB131B25
GAS	BLGB111C25	BLGB121C25	BLGB131C25
NIT	BLGB111D25	BLGB121D25	BLGB131D25
HE	BLGB111F25	BLGB121F25	BLGB131F25
CO2	BLGB111G25	BLGB121G25	BLGB131G25
CO	BLGB111H25	BLGB121H25	BLGB131H25
HYD	BLGB111I25	BLGB121I25	BLGB131I25
PRO	BLGB111J25	BLGB121J25	BLGB131J25
ACET	BLGB111K25	BLGB121K25	BLGB131K25
CH4	BLGB111L25	BLGB121L25	BLGB131L25
SG	BLGB111M25	BLGB121M25	BLGB131M25

Deck Mounted, Straight Pattern Three Gas Ball Valve Assembly

- Solid brass turret with three outlets
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread shank assembly



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A30	BLGB121A30	BLGB131A30
VAC	BLGB111B30	BLGB121B30	BLGB131B30
GAS	BLGB111C30	BLGB121C30	BLGB131C30
NIT	BLGB111D30	BLGB121D30	BLGB131D30
HE	BLGB111F30	BLGB121F30	BLGB131F30
CO2	BLGB111G30	BLGB121G30	BLGB131G30
CO	BLGB111H30	BLGB121H30	BLGB131H30
HYD	BLGB111I30	BLGB121I30	BLGB131I30
PRO	BLGB111J30	BLGB121J30	BLGB131J30
ACET	BLGB111K30	BLGB121K30	BLGB131K30
CH4	BLGB111L30	BLGB121L30	BLGB131L30
SG	BLGB111M30	BLGB121M30	BLGB131M30

Deck Mounted, Straight Pattern Four Gas Ball Valve Assembly

- Solid brass turret with four outlets
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread shank assembly



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A40	BLGB121A40	BLGB131A40
VAC	BLGB111B40	BLGB121B40	BLGB131B40
GAS	BLGB111C40	BLGB121C40	BLGB131C40
NIT	BLGB111D40	BLGB121D40	BLGB131D40
HE	BLGB111F40	BLGB121F40	BLGB131F40
CO2	BLGB111G40	BLGB121G40	BLGB131G40
CO	BLGB111H40	BLGB121H40	BLGB131H40
HYD	BLGB111I40	BLGB121I40	BLGB131I40
PRO	BLGB111J40	BLGB121J40	BLGB131J40
ACET	BLGB111K40	BLGB121K40	BLGB131K40
CH4	BLGB111L40	BLGB121L40	BLGB131L40
SG	BLGB111M40	BLGB121M40	BLGB131M40

Ball Valves & Fittings

Wall Mounted, Straight Pattern Single Gas Ball Valve Assembly Less Shank

- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT female thread inlet
- Integral wall flange



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A50	BLGB121A50	BLGB131A50
VAC	BLGB111B50	BLGB121B50	BLGB131B50
GAS	BLGB111C50	BLGB121C50	BLGB131C50
NIT	BLGB111D50	BLGB121D50	BLGB131D50
HE	BLGB111F50	BLGB121F50	BLGB131F50
CO2	BLGB111G50	BLGB121G50	BLGB131G50
CO	BLGB111H50	BLGB121H50	BLGB131H50
HYD	BLGB111I50	BLGB121I50	BLGB131I50
PRO	BLGB111J50	BLGB121J50	BLGB131J50
ACET	BLGB111K50	BLGB121K50	BLGB131K50
CH4	BLGB111L50	BLGB121L50	BLGB131L50
SG	BLGB111M50	BLGB121M50	BLGB131M50

Wall Mounted, Straight Pattern Single Gas Ball Valve Assembly With Shank

- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread shank assembly
- Integral wall flange



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A55	BLGB121A55	BLGB131A55
VAC	BLGB111B55	BLGB121B55	BLGB131B55
GAS	BLGB111C55	BLGB121C55	BLGB131C55
NIT	BLGB111D55	BLGB121D55	BLGB131D55
HE	BLGB111F55	BLGB121F55	BLGB131F55
CO2	BLGB111G55	BLGB121G55	BLGB131G55
CO	BLGB111H55	BLGB121H55	BLGB131H55
HYD	BLGB111I55	BLGB121I55	BLGB131I55
PRO	BLGB111J55	BLGB121J55	BLGB131J55
ACET	BLGB111K55	BLGB121K55	BLGB131K55
CH4	BLGB111L55	BLGB121L55	BLGB131L55
SG	BLGB111M55	BLGB121M55	BLGB131M55

Wall Mounted, "Y" Pattern Dual 90° Ball Gas Valve Assembly Less Shank

- "Y" pattern wall flange with two ball valves at 90°
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT female thread inlet



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A60	BLGB121A60	BLGB131A60
VAC	BLGB111B60	BLGB121B60	BLGB131B60
GAS	BLGB111C60	BLGB121C60	BLGB131C60
NIT	BLGB111D60	BLGB121D60	BLGB131D60
HE	BLGB111F60	BLGB121F60	BLGB131F60
CO2	BLGB111G60	BLGB121G60	BLGB131G60
CO	BLGB111H60	BLGB121H60	BLGB131H60
HYD	BLGB111I60	BLGB121I60	BLGB131I60
PRO	BLGB111J60	BLGB121J60	BLGB131J60
ACET	BLGB111K60	BLGB121K60	BLGB131K60
CH4	BLGB111L60	BLGB121L60	BLGB131L60
SG	BLGB111M60	BLGB121M60	BLGB131M60

Ball Valves & Fittings

Wall Mounted, "Y" Pattern Dual 90° Gas Ball Valve Assembly With Shank

- Y" pattern wall flange with two ball valves at 90°
- Solid brass straight valve body
- Polished chrome plated finish
- Metal lever handle with index button
- 3/8" - 18 NPT male thread shank assembly



Index Button	Straight Nozzle	30° Nozzle	Straight Nozzle w/ Check Valve
AIR	BLGB111A65	BLGB121A65	BLGB131A65
VAC	BLGB111B65	BLGB121B65	BLGB131B65
GAS	BLGB111C65	BLGB121C65	BLGB131C65
NIT	BLGB111D65	BLGB121D65	BLGB131D65
HE	BLGB111F65	BLGB121F65	BLGB131F65
CO2	BLGB111G65	BLGB121G65	BLGB131G65
CO	BLGB111H65	BLGB121H65	BLGB131H65
HYD	BLGB111I65	BLGB121I65	BLGB131I65
PRO	BLGB111J65	BLGB121J65	BLGB131J65
ACET	BLGB111K65	BLGB121K65	BLGB131K65
CH4	BLGB111L65	BLGB121L65	BLGB131L65
SG	BLGB111M65	BLGB121M65	BLGB131M65

Copyright and distribution of this document

The information contained in this document is offered ONLY as guidelines for the design of high purity gas delivery systems.

Systems designers and end users are cautioned to review the information found in this document and carefully determine the applicability of such information.

All statements, technical information and recommendations contained in this design guideline manual are based on tests and data which we believe to be reliable. The accuracy, completeness, and applicability of such information is not guaranteed and no warrant of any kind is made or implied with respect hereto.

