

ENGINEERED

SPECIALTIES



LUNKENHEIMER®

THE ONE *Great* NAME IN VALVES

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Lunkenheimer Specialty Products have long been recognized for quality and dependability. From the instrument panel of Charles Lindberg's "Spirit of St. Louis" to modern boiler systems and automatic machine tools, Lunkenheimer Specialties provide years of dependable service. Noted for their endurance, Lunkenheimer lubricators are preferred in the most severe industrial environments.

From sensitive liquid level indications to the most rugged industrial lubrication application – depend upon Lunkenheimer Specialty Products.

LEVEL GAUGES

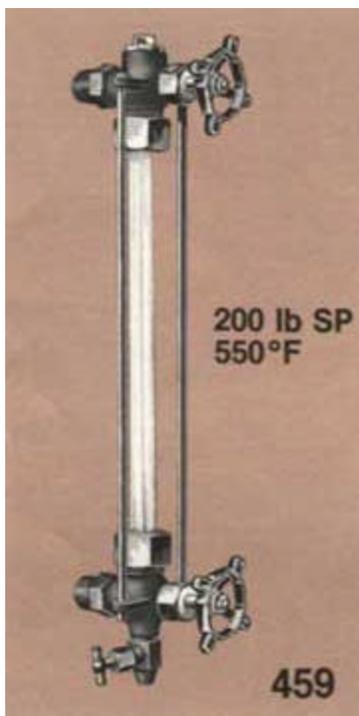
WATER

Lunkenheimer 200 lb water gauges are made of ASTM B61 type S-1 steam bronze. They are non-automatic. Needle type drain valves in lower bodies have plain nose outlet and 1/4" pipe threaded male inlet.

Lunkenheimer 300 lb water

gauges have bodies of ASTM B61 Type S-1 steam bronze.

Automatic hand-operated valves are supplemented in upper and lower bodies by ball check valves which close if glass is broken, allowing operator a safe approach to shut off valve.



Dimensions in inches/Weights in pounds	459	459	1333	1333
Size	1/2 Pipe 5/8 Glass	3/4 Pipe 3/4 Glass	1/2 -Inch Pipe x 3/4 -Inch Glass	3/4 -Inch Pipe x 3/4 -Inch Glass
Distance between Centers	(18-inch is standard. Specify other distance desired.)			
Outside Diameter Glass	5/8	3/4	3/4	3/4
Length Glass for 18-inch Centers	16 1/2	16	15 3/8	15 3/8
Length Rods for 18-inch Centers	18 7/16	18 7/16	15 15/16	15 15/16
Weights	2.3	3.8	6.1	6.7



LEVEL GAUGES

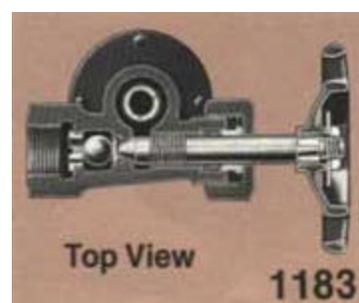
LIQUID

Bronze liquid gauges are made of ASTM B61 type S-1 steam bronze. They are used to indicate the liquid level in pressure vessels, such as oil tanks, gasoline tanks, etc., containing liquids which do not attack bronze. Hand operated valves in upper and lower bodies are supplemented by ball check valves which automatically close

in the event of glass breakage. Gauges may be converted from right to left hand by transposing plugs in upper and lower bodies.

Iron liquid gauges Cast iron bodies conform to ASTM A126. Stems, glands, retainer rings, and stuffing box washers, are made from stainless steel AISI 416.

Recommended for use on pressure vessels containing liquids that attack bronze, but not iron. Hand-operated valves in both upper and lower bodies are supplemented by ball check valves which close automatically in event of glass breakage.



Dimensions in inches/Weights in pounds	589	589	1183
Size	$\frac{1}{2}$ inch pipe $\frac{5}{8}$ inch glass	$\frac{3}{4}$ inch pipe $\frac{3}{4}$ inch glass	$\frac{3}{4}$ Inch Pipe x $\frac{3}{4}$ Inch Glass
Distance between centers	18-inch standard. Specify other distance desired		
Outside diameter glass	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$
Length glass for 18-inch centers	17	17	16
Length rods for 18-inch centers	16 $\frac{1}{4}$	16 $\frac{1}{4}$	15 $\frac{7}{16}$
Weights	3.9	4.2	8.6

GAUGE COCKS

WATER/STEAM

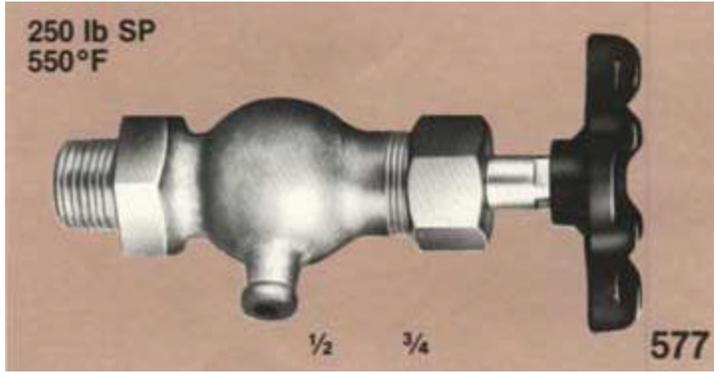
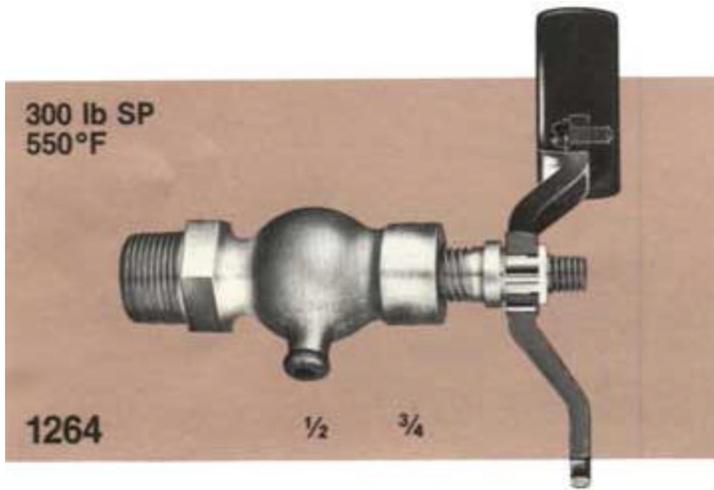


Fig. 577 compression gauge cock is designed with stuffing box; body is made of ASTM B62 composition bronze. Soft, renewable seating surfaces are of TFE Fiberglass reinforced teflon. Stems are CDA-377 brass.



Body of weighted gauge cock is made of ASTM B62 steam bronze. Renewable seats are of TFE Fiberglass Reinforced Teflon. Stems are CDA-377 brass.

Dimensions in inches Weights in pounds

Size	Inches	1/4	3/8	1/2	3/4
Center of Nozzle to End of Shank – Fig 577	Inches	1 ⁵ / ₁₆	1 ¹¹ / ₁₆	1 ¹⁵ / ₁₆	2 1/4
Center of Nozzle to End of Handwheel – Fig 577	Open	3 1/16	3 1/8	3 5/16	3 3/8
Fig 577, Wts		0.5	0.7	0.9	1.1

Dimensions in inches Weights in pounds

Size Pipe Thread	1/2	3/4
Nozzle to End Shank – Fig 1264 Regular	1 3/4	1 3/4
Center Line to End Weight Levers	4 31/32	4 31/32
Fig 1264, Wts	3.5	3.5



GAUGE COCKS

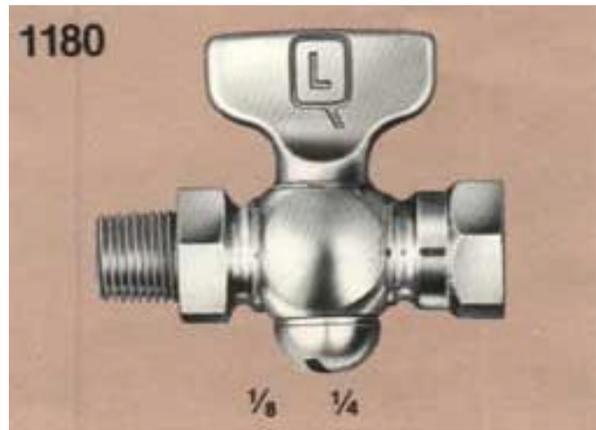
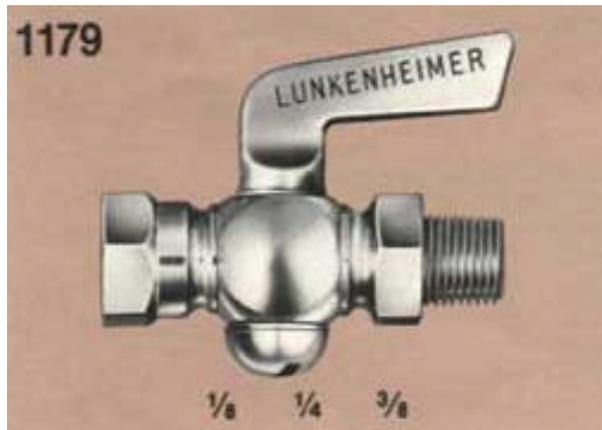
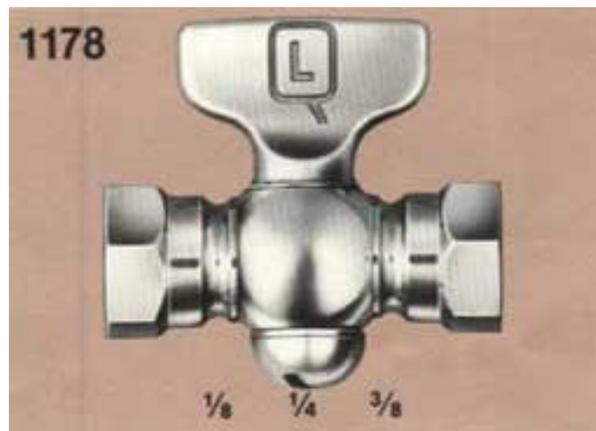
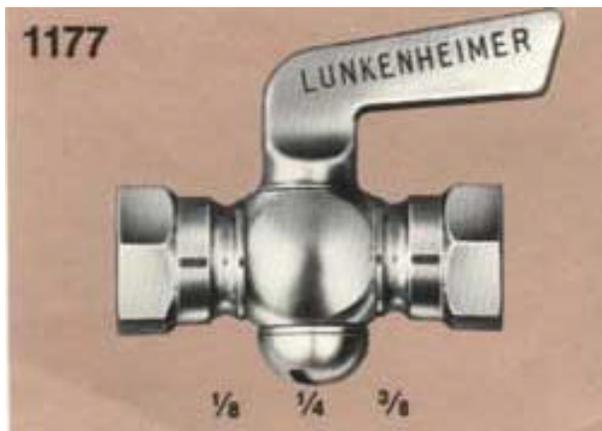
WATER/STEAM

These bronze drain cocks are suitable as drains or vents for the control of steam, air, water, or other fluids. They are used on steam pressure gauges.

Bodies: ASTM B62 type T-1 composition bronze.

Keys: Forged Brass CDA-377 insures long life. Port through key is in line with handle.

125 lb SP
400°F



WHISTLES & WHISTLE VALVES

FOR STEAM OR AIR

These Lunkenheimer bronze whistles and whistle / valve assemblies are made of ASTM B61 type S-1 steam bronze. Can be operated by either steam or compressed air. Plain whistle models available with or without valve. Figure 442 may be used with Figure 444 Lunkenheimer whistle valves.

Whistles work best on boats or rooftops of buildings where there is the less chance of sound interference. Minimum pressure and

boiler horsepower required for each size whistle for steam service, or the volume of compressed air for each size whistle for air service is shown in the tables below. If whistle will be used frequently or for long periods of time, a larger volume of steam or air will be necessary.

Installation note: Whistle supply piping should be a separate line used for no other purpose and

should at least equal size of whistle's inlet connection.

All plain bell whistles are provided with the means to regulate the distance between the power escape slot in the base and the bottom edge of the bell.

Ordering information: When ordering whistles specify both bell diameter and size of the pipe connection.



Operating information-Steam Dimensions in inches Weights in pounds

Diameter of Bell (inches)	1	1½	2	3	3½	4	6
Pipe Connection (Inches)	¼	⅜	½	¾	1	1¼	1½
Minimum Operating Boiler Horsepower	10	20	30	60	75	100	250
Minimum Working Steam Pressure (PSI)	10	10	12	15	20	35	70
Fig 441, Plain Whistle with valve – Wts	0.9	1.4	2.9	6.4	9.5	13.0	30.0
Fig 442, Plain Whistle – Wts	0.5	1.0	2.1	4.8	7.4	9.5	26.0

Operating information – Air

Minimum Air Pressure (PSI)	5	5	8	15	20	25	35
Normal Air Pressure (PSI)	40	40	40	50	50	60	70
Free Air Required per Second at Normal Pressures (Cubic Feet)	.41	.45	.91	2.7	5.1	6.8	12
Typical Frequency CPS	1640	1105	780	515	435	385	255
Typical Range Miles	.25	.33	.5	.8	1.0	1.4	2.8

Dimensions in inches Weights in pounds

Size	¼	⅜	½	¾	1	1¼	1½	2
End to End	2 ³ / ₃₂	2 ³ / ₁₆	2½	2 ³¹ / ₃₂	3 ⁷ / ₁₆	3 ³¹ / ₃₂	4 ³ / ₈	5 ⁵ / ₁₆
Center Line of Valve to Center Line of Fulcrum Pin	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ¹³ / ₃₂	2 ¹ / ₈	2 ⁷ / ₁₆	2 ¹³ / ₁₆	3 ¹ / ₈	3 ¹¹ / ₁₆
Length of Lever from Center Line of Fulcrum Pin	3 ³ / ₁₆	3 ³ / ₁₆	4½	5 ¹¹ / ₁₆	6 ¹⁵ / ₁₆	6 ¹⁵ / ₁₆	8¼	12½
Fig 444, Wts	0.6	0.7	1.0	1.9	2.8	3.9	5.6	9.5



FUNNELS

FOR LIQUIDS



Lunkenheimer bronze funnels are made of ASTM B62 type T-1 composition bronze. Specially designed to receive running flow from an open-end pipe without splashing. Capacities accommodate normal flow in

open-connection installations, such as blow-down piping from water columns, or drain piping required at low points in boiler installations. Inlet accommodates pipes same size or smaller.

Dimensions in inches / Weights in pounds

Size	1/2	3/4	1	1 1/2	2	3
Height Over-All	2 1/16	2 1/4	2 1/2	3 9/16	3 7/8	3 13/16
Diameter at Top	2 3/8	2 7/8	3 1/4	4 5/8	5 1/8	5 15/16
Fig 655, Wts	0.5	0.7	1.1	2.8	3.0	4.3

"Y" BLOW-OFF VALVES

FOR STEAM

250 LB. S.P. 550°F
400 lb WOG

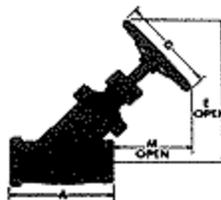
Lunkenheimer "Y" blow-off valves conform to the ASME Boiler Code and are suitable for boiler service up to 80% of valve working steam pressure. Also provide approximate flow and drainage of a gate valve and may be used as such on other services. Also for throttling and fine regulation.

Bodies and bonnets ASTM B61 type S-1 steam bronze. Seat opening permits almost unrestricted flow. Cylindrical guides insure proper disc seating.

Union Bonnet: Assures strong, pressure-tight connections, facilitates cleaning and inspection.

Discs and seat rings: Regrindable, renewable. NT4 nickel alloy.

Back seats: Repackable when disc is wide open under pressure.



Dimensions in inches Weights in pounds

Size	1	1 1/4	1 1/2	2
A	4 1/2	5 3/16	5 13/16	7
E	6 11/16	7 9/16	8 3/8	9 3/4
G	4 1/8	4 5/8	5 1/8	5 1/2
M	3 7/8	4 1/4	4 11/16	5 1/4
Fig 180, Wts	4.0	6.0	7.9	13.5

SPRING KEY COCKS

Lunckenheimer spring key cocks are self-adjusting and automatically provide a proper bearing between body and key. Designed for use with air, gas, oils, and other liquids at normal temperatures and pressures.

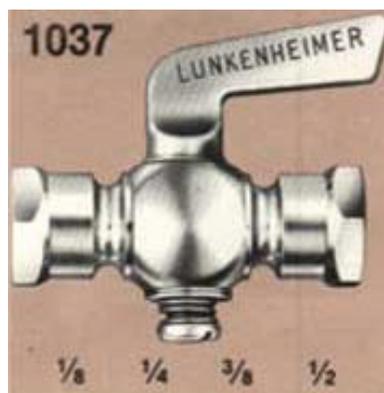
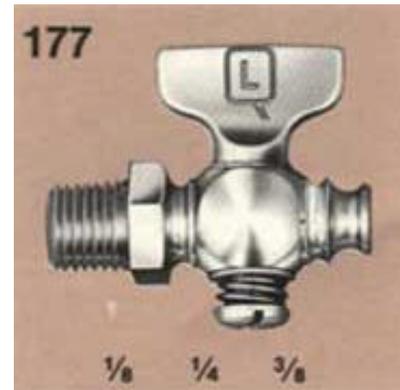
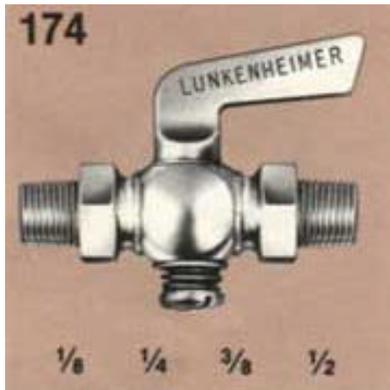
Non-stick lubricant: For easier operation, these cocks are treated with a lubricant that is insoluble in their recommended services.

Note: In the illustrations on this page, the arm of handles indicates position of flow for an open port.

Bodies are CDA-377 brass.

Keys are CDH-377 forging brass.

100 lb WOG BRASS



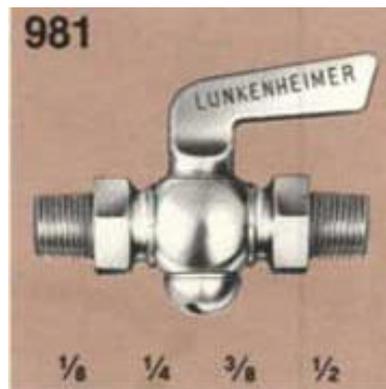
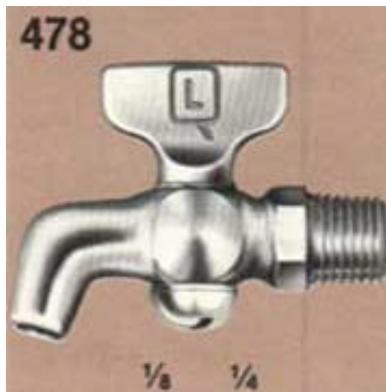
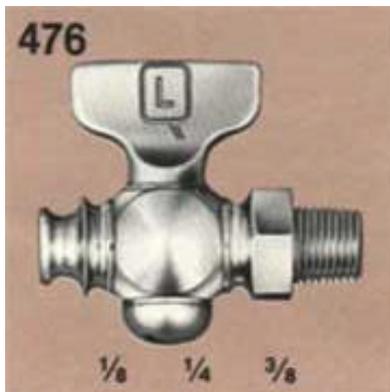
KEY COCKS

These bronze drain and "pet" cocks are suitable as drains or vents for the control of steam, air, water, or other fluids.

Bodies: ASTM B62 type T-1 composition bronze.

Keys: Forged Brass CDA-377 insures long life. Port through key is in line with handle.

125 lb SP



PLUG COCKS

B173

These bronze plug cocks are for service in processing, power plants, petroleum and chemical plants for service temperatures below 150°F and for the handling of materials that are compatible with bronze.

Bodies: ASTM B62 type T - 1 composition bronze.

Plugs: H-1 high leaded bronze.

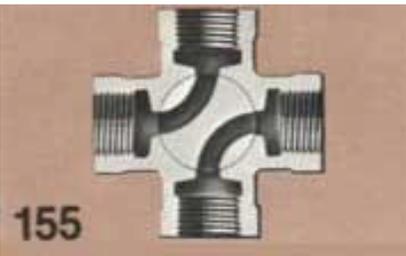
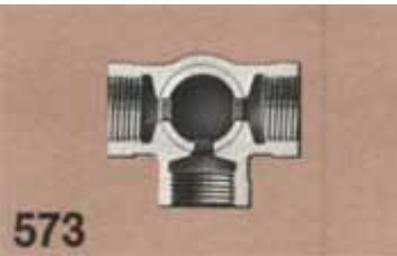
Nut and washer: Hold key in body. Adjustable nut permits plugs to be set up to suit the service.

Levers: Malleable iron. For use on square headed cocks, will be furnished only if ordered.

Port direction: Indicated by a line

stamped on square heads. Parallel sides of flat head give direction of flow.

150-250 WOG *



Straightway Valves Dimensions in inches/Weights in pounds

Size Pipe Thread	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
End to End	1 1/2	1 5/8	1 7/8	2 1/4	2 5/8	3 1/16	3 1/2	4 1/16	4 7/8
Fig 454,456, Wts	0.2	0.3	0.5	0.7	1.3	2.0	3.0	5.0	8.3
Mall Iron Lever, Fig 1181*, Size No	1	2	2	3	4	5	6	7	8
End to End, Fig 872	-	1 15/16	2 1/4	2 5/8	3	3 1/2	-	-	-
Fig 872, Wts	-	0.6	0.9	1.1	1.9	3.2	-	-	-
Mall Iron Lever, Fig 1181, Size No	-	2	3	4	5	6	-	-	-

*For Fig 454, Not Fig 456

Three and Four-Way Valves Dimensions in inches/Weights in pounds

Size Pipe Thread	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	
Malleable Iron Lever Three way Size No	2	3	4	5	6	7	8	
Fig 1181 Four way Size No	3	4	5	6	7	-	-	
End to End	Fig 1235 and Fig 573	1 23/32	2 3/32	2 9/16	2 31/32	3 11/16	4 9/32	4 5/8
Fig 155	2 5/16	2 5/8	2 15/16	3 1/2	4 3/8	-	-	
Center to End	Fig 1235 and Fig 573	7/8	1 1/16	1 9/32	1 1/2	1 27/32	2 5/32	2 15/32
Fig 155	1 5/32	1 5/16	1 15/32	1 3/4	2 3/16	-	-	
Fig 155, Four-way	Wts	1.0	1.6	2.2	3.9	6.9	-	-
Fig 573, Three-way	Wts	0.4	0.7	1.2	2.1	3.6	5.3	8.9
Fig 1235, Three-way	Wts	0.4	0.7	1.2	1.9	3.6	5.7	9.0



PLUG COCKS

150 lb WOG

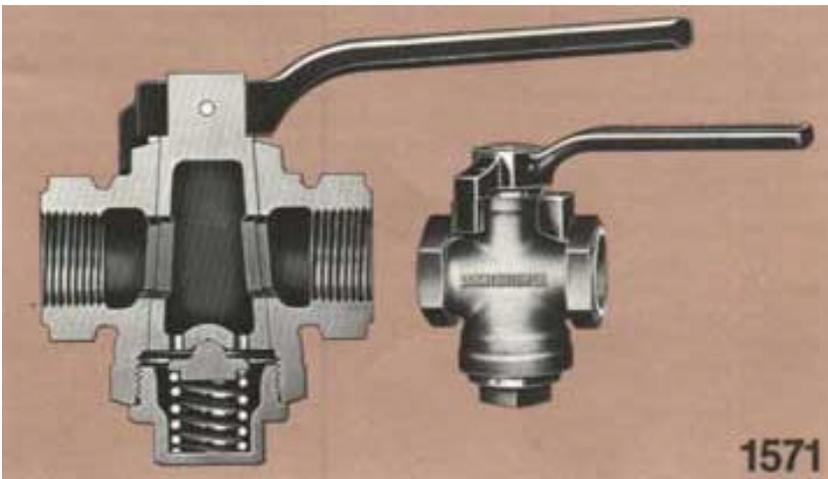
Figure 1571 is designed to efficiently shut off compressed air and minimize costly leakage. (See chart below.) A proper bearing between the plug and the body is automatically maintained by a self-adjusting spring of austenitic stainless steel and by line pressure acting on the enlarged end of the plug.

Levers: Malleable iron. Line with pipe in open position. Stop lugs on the body act as positive open and closed stops.

Bodies: ASTM B62 type T-1 composition bronze.

Plugs: H-1 high-leaded bronze alloy, for extra resistance to wear.

Installation note: If male ends are desired, insert extra-strong pipe nipples in the pipe ends.



Dimensions in inches/Weights in pounds

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
End to End	2 3/16	2 3/8	2 11/16	2 7/8	3 1/4	4 1/16	4 9/16	5 3/8
Control of Key to End of Lever	3 1/2	3 1/2	4	4 3/4	5 1/2	6 1/4	7	11
Fig 1571, Wts	1.0	1.0	1.4	2.3	3.4	5.7	8.1	16.0

Cost of Air Leakage

Diameter Inches	AREA OF LEAK	AIR
	Number of cubic feet per month at 75 psi pressure	Total cost of waste per month at 31c per 1000 cubic feet
1/2	13,468,000	\$4,175.00
3/8	7,558,500	2,342.98
1/4	3,366,990	1,043.46
1/8	824,570	255.44
1/16	213,000	66.05
1/32	52,910	16.12

Fig 1181 cock levers Used to open or close square-headed plug cocks. To order the correct lever for a certain pattern and size of cock, refer to the table and description pertaining to that cock.

Lunkenheimer cock levers are made of malleable iron.



Cock levers

Dimensions in inches/Weights in pounds

Size	Number	1	2	3	4	5	6	7	8
Cross Flats of Hole in Lever		5/16	3/8	1/2	19/32	21/32	25/32	29/32	13/32
Central of Hole to End of Lever		2 5/8	3 3/16	3 3/4	4 11/16	5 5/8	6 5/8	7 1/2	8 9/16
Fig 1181, Wts		0.1	0.1	0.2	0.2	0.4	0.5	0.7	1.0

LUBRICATING DEVICES

OILERS

Figure 1298 and 1300: For use on stationary bearings.

"Royal" Oil Cups: A spring, bearing against the knurled regulating cap on top of the needle valve stem, secures the set of the feed when adjusted to any desired point of regulation. Both are furnished with snap cover for filling hole and central stem assembly nut.

"Sentinel": Slide cover for filling hole, central stem assembly nut and regulating nut lock spring. Sight glass and indicating feed allow on and off field control

without losing flow setting. Highly tempered steel spring automatically regulates position of feed valve stem.

Figure 1300 has snap lever feed control. When lever is vertical, feed is open; when lever is horizontal, feed is closed.

Bodies: Annealed glass tubing.

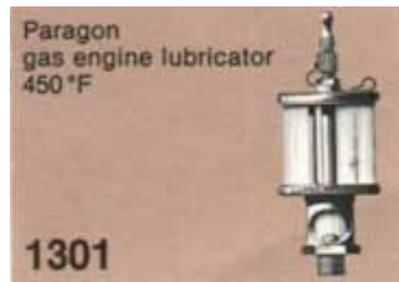
Bases and Covers: Pressed Brass.

Feed Regulation: Turn the knurled nut to right for decreased flow; to left for increased flow. Setting held by spring which engages the nut.

Sight Feed: Provided on Figures 1298 and A 1300.

Fig 1301: The "Paragon" is designed for lubrication of internal combustion engine cylinders only. Heavily constructed it has a ball check to retard back pressure, with an additional baffle cap to diffuse any pressure that escapes the check, preventing splattering inside glass.

Base, integral center post and its cover: Pressed Brass. Cover is securely attached to center post by a substantial retaining nut.



Royal, Sentinel & Paragon Oil Cups
Dimensions in inches/Weights in pounds

Size	Number	0	1	1 ½	2	3	4	5	6	8
Shank Pipe Thread	(Inches)	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8
Capacity (Oil)*	(Ounces)	5/8	1	1 1/2	2 1/2	4	5	10	18	34
Fig 1298, Wts		0.3	—	0.5	0.7	—	1.1	1.9	2.3	—
Fig 1300, 1301 Wts		0.4	0.4	0.6	0.8	0.9	1.3	1.8	2.2	3.4
Fig 526, Cylinder Body Glass	Size No	0	1	1 ½	2	3	4	5	6	8
Fig 1062, Cork Washer Body Glass	Size No	164	166	168	171	173	176	178	180	182
Height Fig 1298, Feed Nut Raised	Max	3 ¹⁵ / ₁₆	—	4 ⁹ / ₁₆	5 ¹ / ₁₆	—	5 ¹³ / ₁₆	6 ¹³ / ₁₆	7 ¹³ / ₁₆	—
Overall Fig 1300, 1301 Snap Lever Raised		4 ³ / ₄	5 ¹ / ₁₆	5 ⁵ / ₁₆	5 ⁷ / ₈	6 ¹ / ₈	6 ³ / ₁₆	7 ¹³ / ₁₆	8 ¹³ / ₁₆	9 ¹⁵ / ₁₆
Outside Diameter, Cylindrical Body Glass Max		1 ¼	1 ½	1 ¾	2	2 ¼	2 ½	3	3 ½	4 ³ / ₁₆



LUBRICATING DEVICES

OIL CUPS



Lunkenheimer Oil Cups are made of heavy cast brass. They provide a simple method of feeding grease to a bearing. They are heavy and sturdy for long service.

GREASE CUPS



Fig. 510 "Ideal" has automatic spring feed regulating device in the base. Provides continuous pressure on the lubricant which forces the grease to the bearings.



Fig. 512 "Marine" has plunger screw feed for positive displacement of heavy grease to bearings.

OILERS

Lunkenheimer Alvor bottle oilers automatically maintain a constant oil level in ring oiling bearings or anti-friction bearings suitable for oil bath lubrication. They feed only when the oil level in the bearing reservoir is low enough to break the liquid seal at the end of the shank, insuring a constant oil supply to bearing.

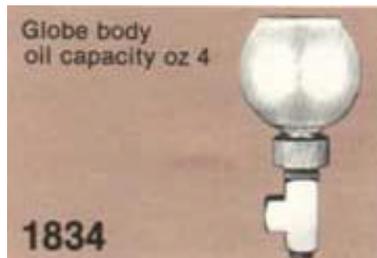
Installation: Alvor controls may be installed through either the side or bottom connection of tee fitting and bearing box.

Materials: Bases of Alvor bottle oilers are Brass. Bottles are general service glass.



Fig. 556 "Gem" has cap screw feed for positive displacement of grease to bearings.

Size No	00	0	1	2	3
Shank Thread					
F540		1/8	1/8	1/4	1/4
F510		1/8	1/4	3/8	1/2
F512		1/8	1/4	3/8	1/2
F556		1/8	1/8	1/4	

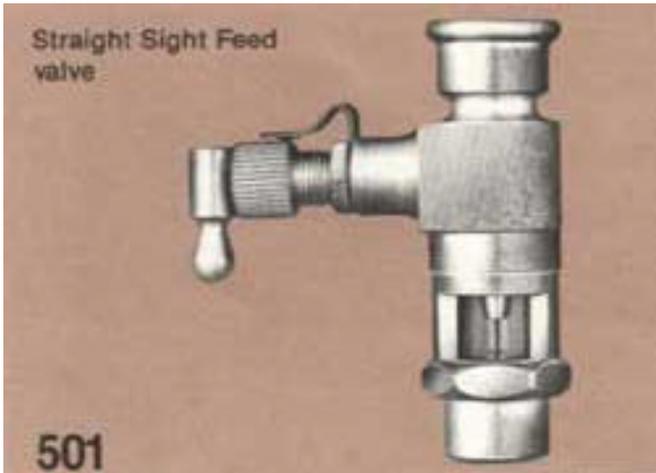


Dimensions in inches Weights in pounds

	Cap-Oz	A	B	C	D	E
Fig 1834 - No 3, Globe body	4	1/8	4 9/8 Max	2 9/16	-	-
Wt.	0.7					

LUBRICATING DEVICES

SIGHT FEED VALVES



Plain Sight Feed valves

Dimensions in inches / Weights in pounds

Size Inlet and Outlet	1/8	1/4	3/8
Fig 501, Straight, Wts	0.4	0.4	0.4
Fig 953, Sight Feed Tube	Size 40	40	40
Fig 1062, Cork Washers for Tube	Size 152	152	152
Overall Height	2 ⁷ / ₈	2 ⁷ / ₈	3
Center to End of Handwheel	1 ³ / ₄	1 ³ / ₄	1 ¹³ / ₁₆

Heavy Sight Feed Valves

Dimensions in inches / Weights in pounds

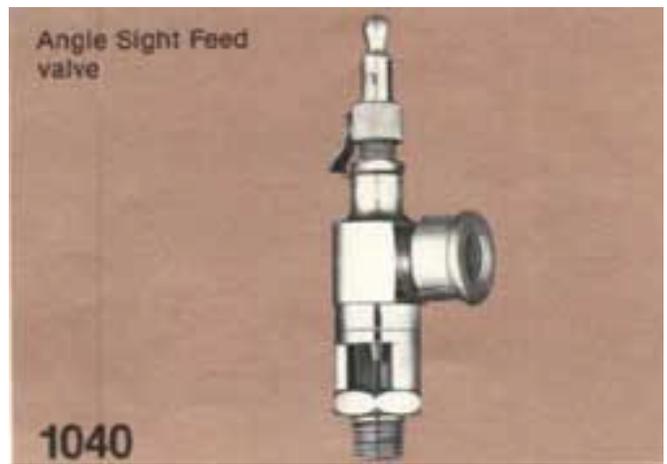
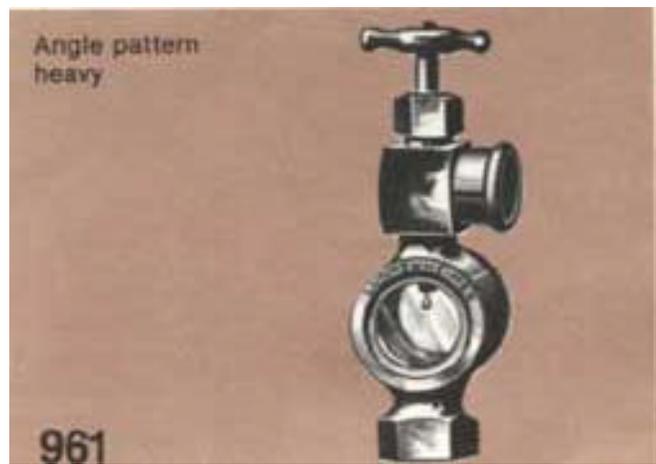
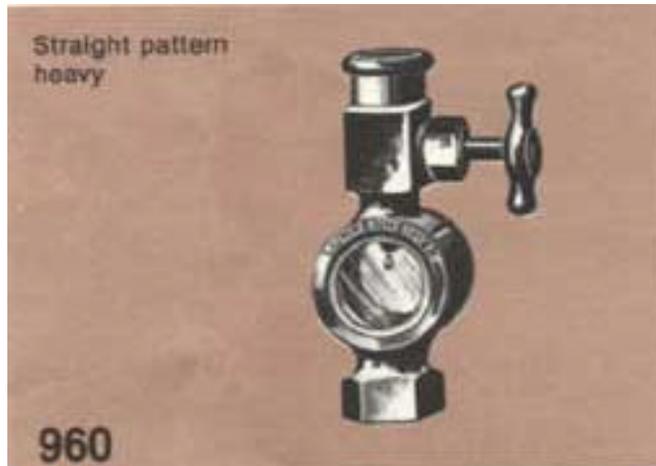
Size Inlet and Outlet	1/4	3/8	1/2	
Fig 960, Straight, Wts	0.8	1.2	1.3	
Fig 961, Angle, Wts	0.8	1.1	1.2	
Fig 954, Sight Feed Glasses	Size No 105	107	107	
Fig 1062, Sight Feed Cork Washers	Size No 162	165	165	
Fig 1025, Sight Feed Fibre Washers	Size No 279	281	281	
Overall Height	Fig 960 (Inches)	3 ¹ / ₂	4 ¹ / ₄	4 ⁷ / ₁₆
	Fig 961(Inches) open	5 ¹ / ₁₆	5 ³ / ₄	5 ¹⁵ / ₁₆
Center to End Handwheel	Fig 960 open	2 ⁷ / ₁₆	2 ¹ / ₂	2 ⁹ / ₈
Center to End Pipe Connection	Fig 961	1 ¹ / ₄	1 ¹ / ₂	1 ⁹ / ₁₆
Outside Diameter Body at Sight Feed		1 ⁹ / ₁₆	1 ¹⁵ / ₁₆	1 ⁵ / ₁₆

A cork and fiber washer is necessary for each sight feed glass.

Small Sight Feed valves

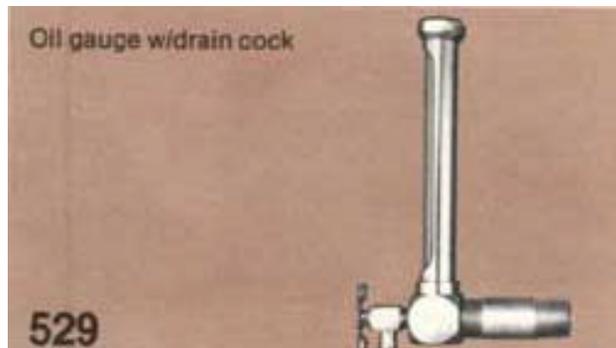
Dimensions in inches / Weights in pounds

Size	Outlet and Inlet	1/8
Fig 1040	Type	E
	Weight	0.2
Fig 953, Sight Feed Tube, Glass		
Overall Height		
Center to End, Pipe or Regulating Wheel		
Outside Diameter Body		



GAUGES

FOR OIL



Designed for use with self-oiling bearings and open crankcase. Glass tubes are removable for cleaning.

Dimensions in inches / Weights in pounds

Size	1/8	1/4	3/8	1/2
Center of Shanks to Top of Gauge	2 ⁹ / ₁₆	3 ¹ / ₁₆	6 ¹ / ₁₆	6 ¹ / ₈
Center of Glass to End of Shank	1 ³ / ₄	1 ³ / ₄	2 ³ / ₄	2 ³ / ₄
Glass Length (⁵ / ₈ Dia.)	1 ⁷ / ₈	2 ³ / ₈	5 ³ / ₈	5 ³ / ₈
Fig 528,Wts	.2	.3	.5	.9
Fig 529,Wts	.4	.4	.8	1.3

ACCESSORIES

SWING JOINT

100 lb WOG



Swing joints are most frequently used on machine tools in the cutting-fluid lines. The rate of flow through the line is usually controlled by a cock.

Materials: ASTM B62 Type T - 1 steam bronze.

Inlets and outlets: Threaded for the same size pipe.

Flow ports: Open regardless of the relative position of inlets and out-lets.

Dimensions in inches / Weights in pounds

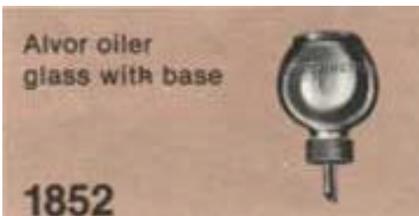
Size	1/4	3/8	1/2	3/4	1
Center to Face of Body Connection	1 ⁵ / ₁₆	1	1 ³ / ₁₆	1 ³ / ₈	1 ⁹ / ₁₆
Center to Face of Key Connection	1 ⁵ / ₁₆	1	1 ³ / ₁₆	1 ³ / ₈	1 ⁹ / ₁₆
Center to Top of Key Connection	1 ⁷ / ₈	2 ¹ / ₈	2 ¹ / ₂	3	3 ⁵ / ₈
Center to Bottom of Key	1 ¹ / ₈	1 ⁵ / ₁₆	1 ³ / ₈	1 ³ / ₄	2 ³ / ₁₆
Center Inlet to Center Outlet	1 ³ / ₈	1 ¹ / ₂	1 ¹³ / ₁₆	2 ¹ / ₈	2 ⁹ / ₁₆
Fig 614, Wts	0.5	0.7	1.0	1.6	2.6

REPLACEMENT PARTS

LUBRICATOR GLASSES

Dimensions in inches Weights in pounds
Cylindrical Body Glasses

Fig 526 Size	Number	0	1	1 ½	2	3	4	5	6	8
Stock Package	Quantity	20	20	20	20	24	6	6	6	2
Outside Diameter	Inches	1 ¼	1 ½	1 ¾	2	2 ¼	2 ½	3	3 ½	4 ¼
Height	Inches	1 ⅛	1 ⅜	1 ⅝	1 ⅞	2 ⅛	2 ⅜	3	4	5



Bottle Oiler Glasses

Size	Number	2	3
Fig 1818, No 3 Round Body Glass	Height	–	2 ³¹ / ₃₂
Fig 1852, Round Glass with Base	Height	–	4 ³ / ₁₆

Ordering information When ordering, include all sizes and figure numbers of lubricators and replacement parts involved.

SIGHT FEED TUBES

Sight Feed and Indicator Glass Tubes

Fig 953 Size	Number	40	41E	42	43	44
Outside Diameter	Inches	½	5/8	5/8	5/8	5/8
Length	Inches	¾	15/16	1 7/8	2 3/8	5 3/8

Fig 953 Size	Number	64	64E	65E
Outside Diameter	Inches	¾	¾	7/8
Length	Inches	¾	1 1/16	7/8



Sight Feed and Indicator Glass Discs

Fig 954 Size	Number	105	107
Diameter	Inches	1 3/64	1 27/64
Thickness	Inches	1/8	3/32

Ordering information When ordering, include all sizes and figure numbers of lubricators and replacement parts involved.



REPLACEMENT PARTS

WASHERS & PACKING

Cone-Shaped Packing

Size	Number	250	251
For Gauge Glasses	Dia In	$\frac{5}{8}$	$\frac{3}{4}$
Fig 1024, Red Rubber Packing, For Steam	For Fig 459-1333	Height $\frac{5}{8}$	$\frac{3}{4}$
Fig 1677, Black Rubber Packing, For Liquids not Solvent to Rubber	For Fig 1183	Height —	$\frac{5}{8}$
Fig 1678, Cone Packing For Oils and Gasoline	For Fig 589 & 1183	Height —	$2\frac{1}{32}$

Washer

Size	Number	250	251
For Gauge Glasses	Dia In	$\frac{5}{8}$	$\frac{3}{4}$
A 1024, Red Rubber Packing For Steam	For Fig. A 459, A589, A1333	I.D. $\frac{5}{8}$	$\frac{3}{4}$

Fiber Washers

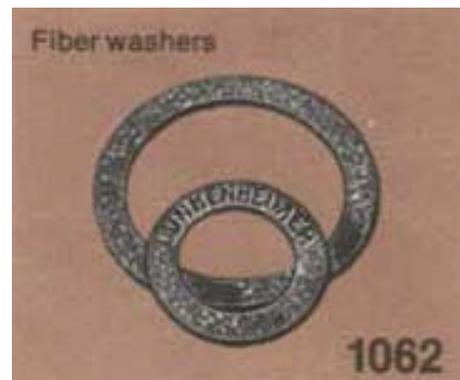
Fig 1025 Size	Number	279	281
Outside Diameter	Inches	$1\frac{1}{32}$	$1\frac{27}{64}$
Thickness	Inches	$\frac{1}{32}$	$\frac{1}{32}$

Neoprene-Cork Gasket

Fig 1062 Size	Number	152	156E	159
Outside Diameter	Inches	$\frac{1}{2}$	$\frac{49}{64}$	$\frac{7}{8}$
Thickness	Inches	$\frac{3}{32}$	$\frac{3}{32}$	$\frac{3}{32}$

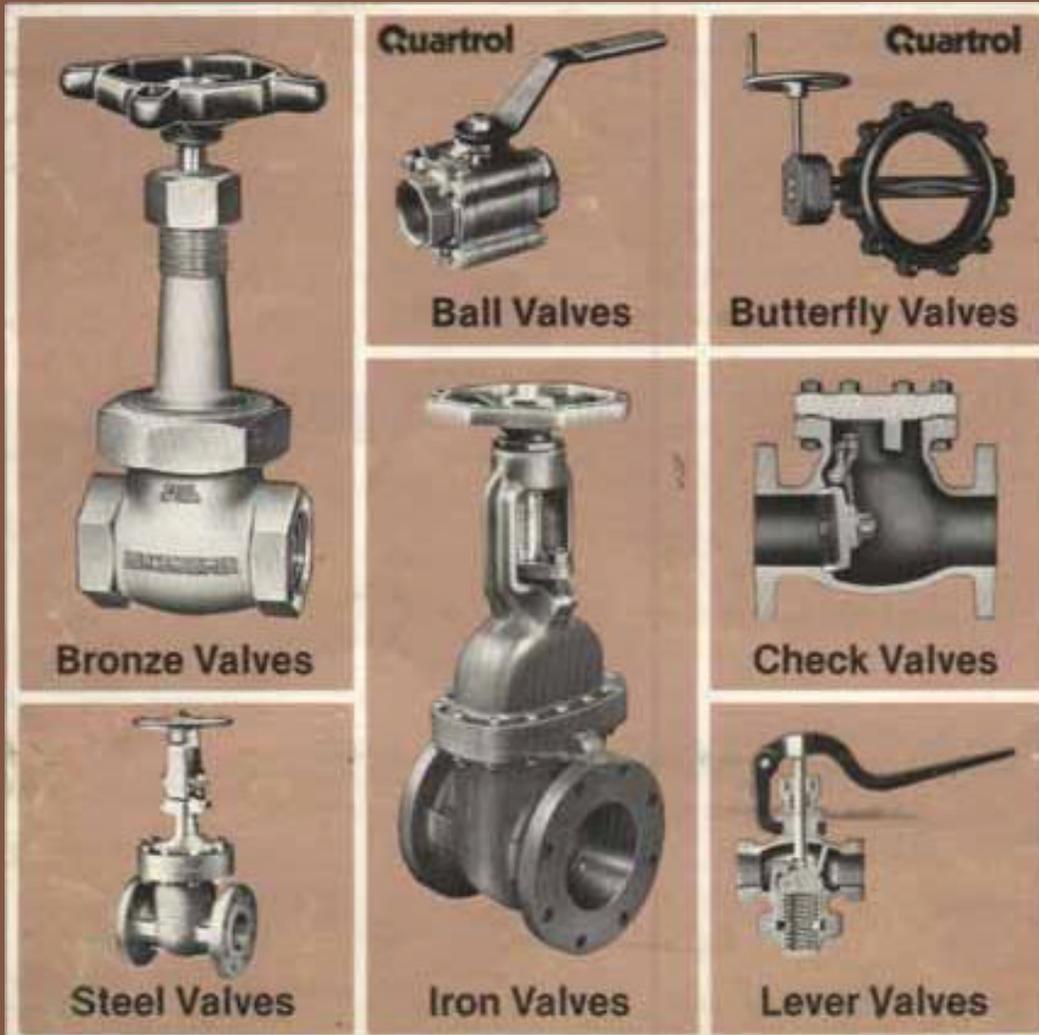
Fig 1062	Number	161	164
Outside Diameter	Inches	1	$1\frac{1}{4}$
Thickness	Inches	$\frac{3}{32}$	$\frac{3}{32}$

Fig 1062 Size	Number	166	168	171	173	176	178	180	182
Outside Diameter	Inches	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$4\frac{1}{4}$
Thickness	Inches	$\frac{3}{32}$							



Ordering information When ordering, include all sizes and figure numbers of lubricators and replacement parts involved.

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