



- J Young® - Distributed by **SCILOGEX**
- J Young high vacuum greaseless stopcocks for air and moisture sensitive applications.
- Custom Designs Available
- Contact us for more information:
+1-877-724-5643
- Send drawings to:
info@scilogex.com



 www.scilogex.com

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Chemistry Brochure

 Schlenk Lines & Flasks

 NMR Valves

 Accessories

J Young® Valves



Elegant. Esteemed. Effective.

J Young® is a staple name in the laboratory for greaseless stopcocks and taps used in air and moisture sensitive applications. Recognized for their precision, durability, and innovation, J Young® products cater to a broad spectrum of scientific needs, offering seamless solutions for maintaining controlled environments in delicate experiments.

Our range of high vacuum greaseless stopcocks eliminates the need for grease, ensuring unparalleled cleanliness and reliability. These components are vital for the operation of Schlenk lines, facilitating the safe handling of air-sensitive compounds and enabling precise gas flow control. From the most demanding inorganic synthesis setups to specialised vacuum manipulations, J Young® products guarantee efficiency and accuracy.

Our precision-engineered valves for NMR applications are another cornerstone of the J Young® range. Designed to integrate seamlessly with NMR tubes, these valves ensure airtight sealing and secure handling of samples without needing to flame seal the tube. Whether used in research or routine analytical tasks, our valves provide researchers

with the reliability and control they need for successful NMR experiments.

Beyond laboratory setups, J Young® valves are widely used in glassblowing applications, where their precision engineering and durability are essential for crafting custom scientific glassware. Their greaseless design ensures the highest levels of purity and performance, making them ideal for constructing bespoke apparatus used in chemical, analytical, and industrial applications. With J Young®, glassblowers can count on reliable components to complement their expertise and creativity.

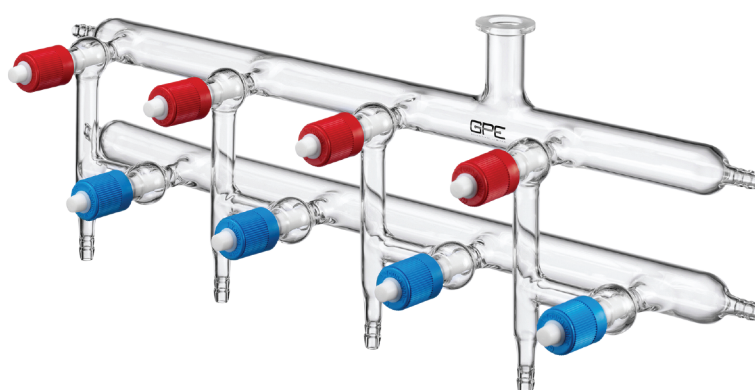
This catalogue highlights our complete portfolio, showcasing the versatility and adaptability of each product. With a commitment to innovation and rigorous quality standards, J Young® has become the trusted partner for laboratories worldwide, ensuring that your experiments proceed smoothly, safely, and with maximum efficiency.

Explore the superior engineering that has made J Young® synonymous with excellence in laboratory equipment. From routine tasks to groundbreaking research, J Young® products are your key to success in managing sensitive applications.



Contents

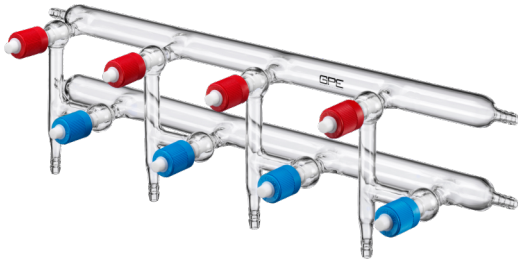
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Schlenk Lines

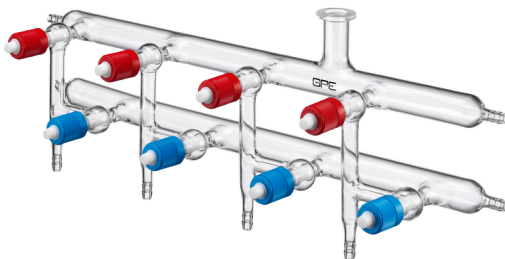
HP - High Performance Variation for more demanding applications - featuring a new robust design, improved interchangeability, and reinforced sealing area.

NW16 - Includes an NW16 connection on the top of the vacuum line to connect a vacuum gauge.



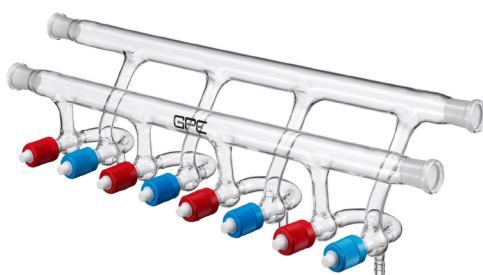
Dual Bank Manifold

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90010	3	0-10	300
90011	4	0-10	400
90012	5	0-10	500
90010/HP	3	0-10 (HP)	300
90011/HP	4	0-10 (HP)	400
90012/HP	5	0-10 (HP)	500



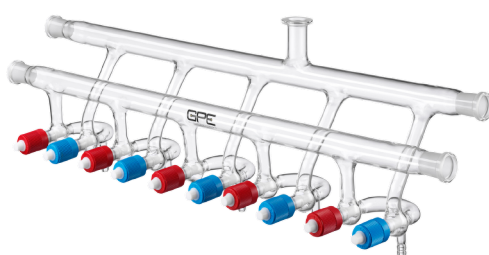
Dual Bank Manifold c/w Vacuum Gauge Port

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90010-NW16	3	0-10	300
90011-NW16	4	0-10	400
90012-NW16	5	0-10	500
90010/HP-NW16	3	0-10 (HP)	300
90011/HP-NW16	4	0-10 (HP)	400
90012/HP-NW16	5	0-10 (HP)	500



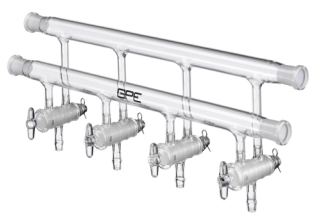
Dual Bank Offset Manifold

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90019	3	0-10	300
90020	4	0-10	400
90021	5	0-10	500
90019/HP	3	0-10 (HP)	300
90020/HP	4	0-10 (HP)	400
90021/HP	5	0-10 (HP)	500



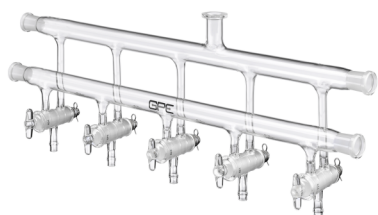
Dual Bank Offset Manifold c/w Vacuum Gauge

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90019-NW16	3	0-10	300
90020-NW16	4	0-10	400
90021-NW16	5	0-10	500
90019/HP-NW16	3	0-10 (HP)	300
90020/HP-NW16	4	0-10 (HP)	400
90021/HP-NW16	5	0-10 (HP)	500



Dual Bank Manifold w/ Glass Stopcocks

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90013	3	4	300
90014	4	4	400
90015	5	4	500



Dual Manifold c/w Glass Stopcocks & Vacuum Gauge Port

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90013-NW16	3	4	300
90014-NW16	4	4	400
90015-NW16	5	4	500



Single Bank Manifold

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90001	3	0-10	300
90002	4	0-10	400
90003	5	0-10	500
90001/HP	3	0-10 (HP)	300
90002/HP	4	0-10 (HP)	400
90003/HP	5	0-10 (HP)	500



Single Bank Manifold c/w Vacuum Gauge Port

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90004	3	0-10	300
90005	4	0-10	400
90006	5	0-10	500
90004/HP	3	0-10 (HP)	300
90005/HP	4	0-10 (HP)	400
90006/HP	5	0-10 (HP)	500



Space Saving Manifold

Part No.	No. of Ports	Valve Size (mm)	Width (mm)
90007	3	0-10	225
90008	5	0-10	305
90021	8	0-10	420
90019/HP	3	0-10 (HP)	225
90020/HP	5	0-10 (HP)	305
90021/HP	8	0-10 (HP)	420

Schlenk Line Accessories



Complete your J Young® Schlenk Line Setup with these essential components.



VACUU·VIEW Gauges



NW16 Chain Clamp

Pumps

Part No.	Description	Vacuum (mbar)
20750002	VACUU·PURE 10	5×10^{-3}
20751002	VACUU·PURE 10C	5×10^{-3}
20698122	RZ 2.5	2×10^{-3}



RZ 2.5 Vacuum Pump



NW16 Elastomer Seal

Tubing

Part No.	I.D. (mm)	Part No.	I.D. (mm)
20686000	6	20686004	14
20686001	8	20686005	16
20686002	10	20686006	18
20686003	12	20686007	20



VACUU·PURE Pumps



Rubber Vacuum Tubing

Gauges

Part No.	Description
20683220	VACUU·VIEW
20683210	VACUU·VIEW Extended

Clamp

Part No.	Description
E30.016010.132.816	NW16 Clamp

Seal

Part No.	Description
E34.016035.123.616	NW16 Clamp

Schlenk Flasks

HP - High Performance Variation for more demanding applications - featuring a new robust design, improved interchangeability, and reinforced sealing area.



Cylindrical Schlenk Flask
Fine Thread Tap

Part No.	Capacity (ml)	Part No. (HP)	Capacity (ml)
JCF/25	25	JCF/25/HP	25
JCF/50	50	JCF/50/HP	50
JCF/100	100	JCF/100/HP	100
JCF/250	250	JCF/250/HP	250
JCF/500	500	JCF/500/HP	500
JCF/1000	1000	JCF/1000/HP	1000



Cylindrical Schlenk Flask
Fine Thread Tap, B14 Socket

Part No.	Capacity (ml)	Part No. (HP)	Capacity (ml)
JCS/25	25	JCS/25/HP	25
JCS/50	50	JCS/50/HP	50
JCS/100	100	JCS/100/HP	100
JCS/250	250	JCS/250/HP	250
JCS/500	500	JCS/500/HP	500
JCS/1000	1000	JCS/1000/HP	1000



Cylindrical Schlenk Flask
Fine Thread Tap, O-Ring Ball Joint Cup

Part No.	Capacity (ml)	Joint Size	Part No. (HP)	Capacity (ml)	Joint Size
JRF/25	25	19	JRF/25/HP	25	19
JRF/50	50	19	JRF/50/HP	50	19
JRF/100	100	19	JRF/100/HP	100	19
JRF/250	250	29	JRF/250/HP	250	29
JRF/500	500	29	JRF/500/HP	500	29
JRF/1000	1000	29	JRF/1000/HP	1000	29

Schlenk Flasks

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Cylindrical Schlenk Flask
Fine Thread Tap, Cone

Part No.	Capacity (ml)	Joint Size	Part No. (HP)	Capacity (ml)	Joint Size
JCC/25	25	19	JCC/25/HP	25	19
JCC/50	50	19	JCC/50/HP	50	19
JCC/100	100	24	JCC/100/HP	100	24
JCC/250	250	24	JCC/250/HP	250	24
JCC/500	500	24	JCC/500/HP	500	24
JCC/1000	1000	29	JCC/1000/HP	1000	29



Cylindrical Schlenk Flask
Glass Tap, Cone

Part No.	Capacity (ml)	Joint Size	Part No. (HP)	Capacity (ml)	Joint Size
SCG/25	25	19	SCG/25/HP	25	19
SCG/50	50	19	SCG/50/HP	50	19
SCG/100	100	24	SCG/100/HP	100	24
SCG/250	250	24	SCG/250/HP	250	24
SCG/500	500	24	SCG/500/HP	500	24
SCG/1000	1000	29	SCG/1000/HP	1000	29



Round Bottom Schlenk Flask
Fine Thread Tap, Socket

Part No.	Capacity (ml)	Joint Size	Part No. (HP)	Capacity (ml)	Joint Size
JRF/25	25	14	JRF/25/HP	25	14
JRF/50	50	19	JRF/50/HP	50	19
JRF/100	100	24	JRF/100/HP	100	24
JRF/250	250	24	JRF/250/HP	250	24
JRF/500	500	24	JRF/500/HP	500	24
JRF/1000	1000	29	JRF/1000/HP	1000	29

Schlenk Flasks

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Cylindrical Schlenk Flask
Glass Key, Socket

Part No.	Capacity (ml)	Joint Size	Part No. (HP)	Capacity (ml)	Joint Size
SRG/25	25	14	SRG/25/HP	25	14
SRG/50	50	19	SRG/50/HP	50	19
SRG/100	100	24	SRG/100/HP	100	24
SRG/250	250	24	SRG/250/HP	250	24
SRG/500	500	24	SRG/500/HP	500	24
SRG/1000	1000	29	SRG/1000/HP	1000	29



Round Bottom Schlenk Flask
Fine Thread Tap, Plain Arm, Cold Finger

Part No.	Capacity (ml)	Part No. (HP)	Capacity (ml)
CSY/25	25	CSY/25/HP	25
CSY/50	50	CSY/50/HP	50
CSY/100	100	CSY/100/HP	100
CSY/250	250	CSY/250/HP	250
CSY/500	500	CSY/500/HP	500
CSY/1000	1000	CSY/1000/HP	1000



Round Bottom Schlenk Flask
Fine Thread Tap, Plain Arm

Part No.	Capacity (ml)	Part No. (HP)	Capacity (ml)
CSB/25	25	CSB/25/HP	25
CSB/50	50	CSB/50/HP	50
CSB/100	100	CSB/100/HP	100
CSB/250	250	CSB/250/HP	250
CSB/500	500	CSB/500/HP	500
CSB/1000	1000	CSB/1000/HP	1000

Schlenk Flasks



Finger Schlenk Tube
Fast Thread Tap

Part No.	Capacity (ml)
JFF/5	5



Schlenk Cap

Part No.	Joint Size
SC/19	19
SC/24	24
SC/29	29



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Cold Traps/Bubblers



JYT/1



JYT/2



JYT/3



JYB/1

Part No.	Description	Inner Tube Ø (mm)	Body Length (mm)	Body Ø (mm)
JYT/1	Vac line cold trap w/ B40 socket & high vacuum glass key on the inlet	13	280	44
JYT/2	Vac line cold trap w/ B40 socket & high vacuum glass key on the outlet	13	280	44
JYT/3	Vac line cold trap w/ B45 Rodaviss Joint & J Young® Bleed Valve	13	240	50

Part No.	Description	Capacity (ml)	Diameter (mm)	Length (mm)
JYB/1	Vac line bubbler	20	30	130

Cone Adaptors

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B19 Cone Adaptor

J Young® Valve

Part No.

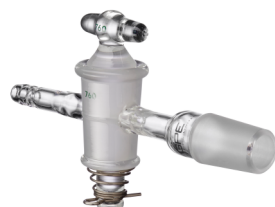
Joint Size

JYA/1

19

JYA/1/HP

19



B19 Cone Adaptor

Glass Stopcock

Part No.

Joint Size

JYA/2

19

Gas Sample Tubes



Gas Sample Tube

O-Ring Taps

Part No.

Capacity (ml)

GST/100

1

GST/125

2

GST/250

3

GST/500

4

GST/1000

6

GST/2000

9



Gas Sample Tube

O-Ring Taps & Septum

Part No.

Capacity (ml)

GSS/100

1

GSS/125

2

GSS/250

3

GSS/500

4

GSS/1000

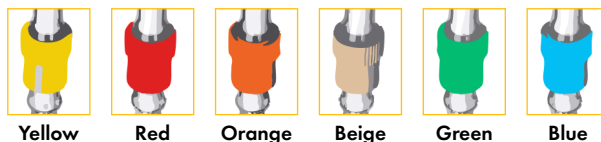
6

GSS/2000

9

NMR Valves

Available in



Yellow

Red

Orange

Beige

Green

Blue

Handle your NMR sample without flame sealing your tubes. Teflon covered O-Ring eliminates material incompatibilities and completely greaseless Teflon assembly means the tube is easy to use and to disassemble for cleaning. Includes female joint for quick attachment to your vacuum rack.

A Vacuum level of 1×10^{-6} mbar can be achieved with this valve. Internal positive pressure rating = 1 bar (14.7 PSI)

REDUCED LENGTH - Our 5 inch tubes are designed to fit perfectly under the spectrometer safety barrier.



Part No.	MHz	Length (in)
S-5-200-JY-5	200	5
S-5-200-JY-7	200	7
S-5-200-JY-8	200	8
S-5-300-JY-5	300	5
S-5-300-JY-7	300	7
S-5-300-JY-8	300	8
S-5-400-JY-5	400	5
S-5-400-JY-7	400	7
S-5-400-JY-8	400	8
S-5-500-JY-5	500	5
S-5-500-JY-7	500	7
S-5-500-JY-8	500	8
S-5-600-JY-5	600	5
S-5-600-JY-7	600	7
S-5-600-JY-8	600	8
S-5-800-JY-5	800	5
S-5-800-JY-7	800	7
S-5-800-JY-8	800	8
S-5-900-JY-5	900	5
S-5-900-JY-7	900	7
S-5-900-JY-8	900	8

NMR Valves



NMR Valve Only
For Glassblowing

Part No.	Colour	Tube Size (mm)
50130-YELLOW	Yellow	5
50130-RED	Red	5
50130-ORANGE	Orange	5
50130-BEIGE	Beige	5
50130-GREEN	Green	5
50130-BLUE	Blue	5
50130-BLUE-PERFLUORO*	Blue	5
50140-RED	Red	10

*For solvent use



NMR Evacuation Manifold

Part No.	Length (mm)	Valve Size (mm)	Hose Connection Ø (mm)
50150	110 (with cap)	10	9



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J Young® Catalogue



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