KEWAUNEE Scientific Corporation

Single-sided Workstation – 2" Post

Features:

- Self-supporting workstations
- May be used individually or in multi-bench assemblies
- Adjustable height worksurfaces
- Integrated shelving systems
- Pre-plumbed integrated services
- Pre-wired integrated power and data
- Multiple cabinet options including mobile, suspended, and floor mounted.

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

Double-sided Workstation – 6" Post

Features:

- Self-supporting workstations
- May be used individually or in multi-bench assemblies
- Adjustable height worksurfaces
- Integrated shelving systems
- Pre-plumbed integrated services
- Pre-wired integrated power and data
- Multiple cabinet options including mobile, suspended, and floor mounted.

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

KEWAUNEE Scientific Corporation

Single-Sided Workstation Support Frames

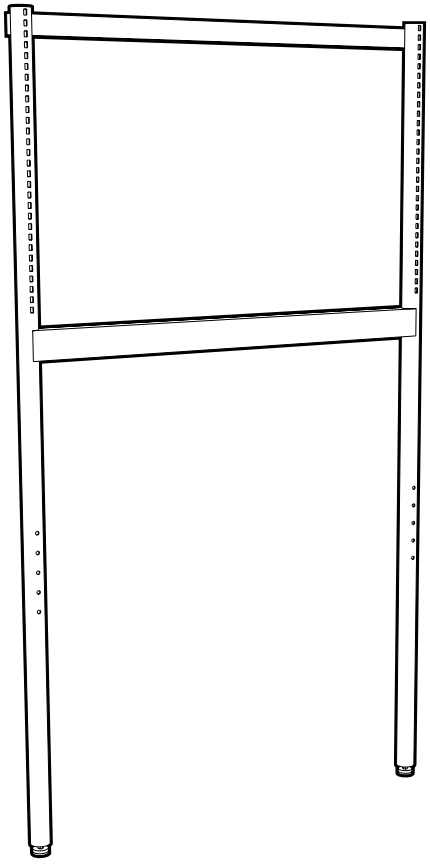
Specifications:

Single-sided Workstation Support Frames consist of two, 11 gauge, 2" diameter, powder coated steel, tubular legs with leveling feet. An Upper Spacer Bar and lower Power Bar, located 53½" above the floor are securely fastened to the legs to form a rigid support frame.

The upper portion of the frame is slotted on 1" centers to accept shelving. The lower section is bored and tapped for the attachment of the adjustable height Worksurface Frame.

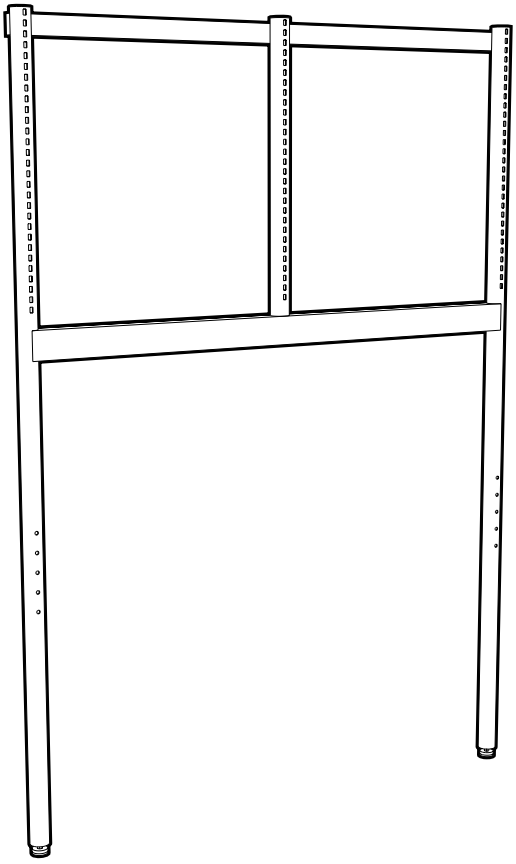
Workstation Support Frames 60" long and longer have an additional center post to add further support for the shelving assemblies.

Single Sided Workstation Support Frames



Single-sided Workstation Support Frame

42" Long	**FE30M840242-00**
48" Long	**FE30M840248-00**



Single-sided Workstation Support Frame

60" Long	**FE30M840260-00**
72" Long	**FE30M840272-00**
96" Long	**FE30M840296-00**

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

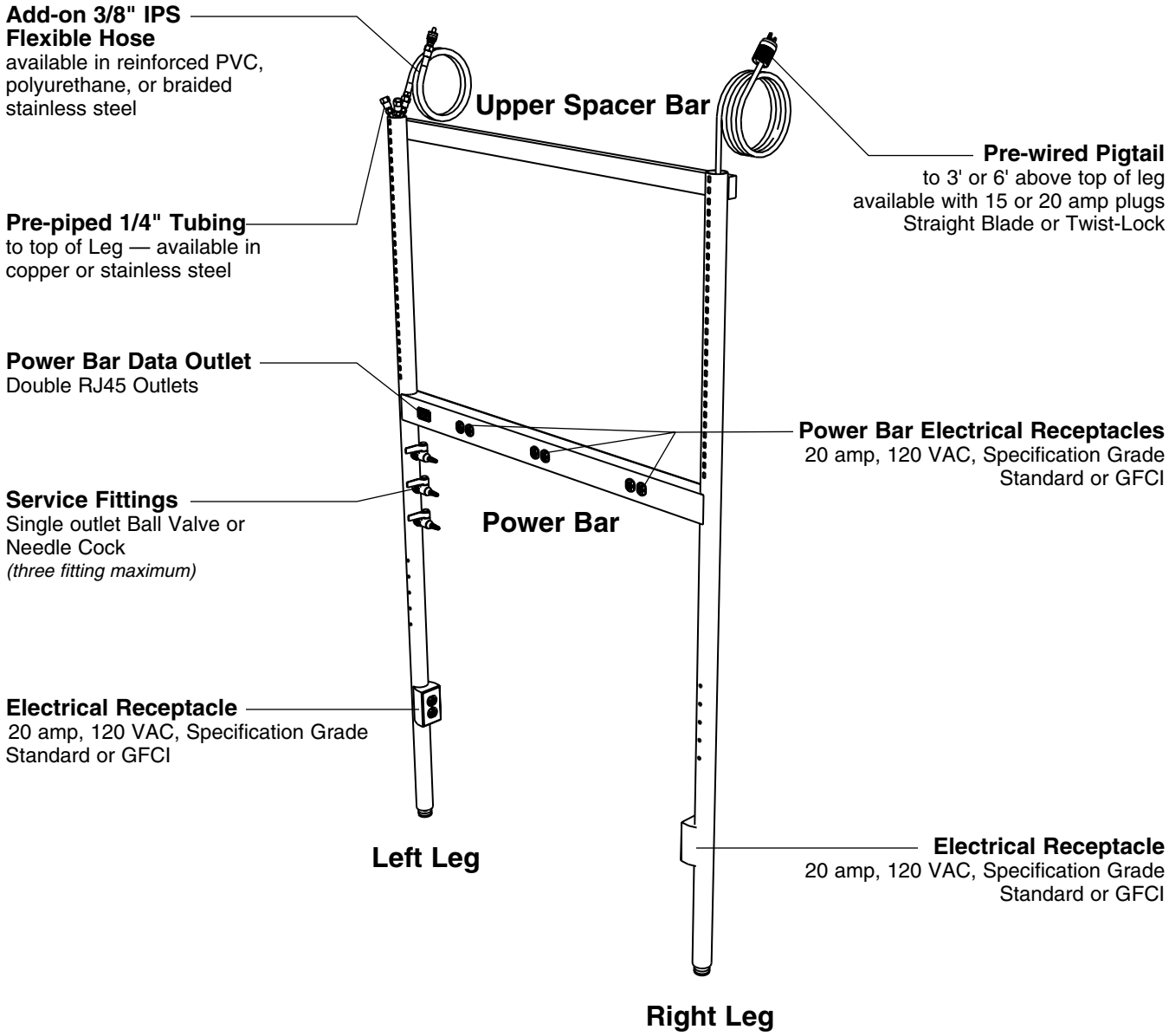
Single-Sided Support Frame Options

Specifications:

Single-sided Workstation Support Frames will accept numerous service, electrical, and data/com options. Each leg will accept up to three service fittings, pre-piped for easy connection to overhead services. The horizontal Power Bar will accept both electrical receptacles and data/com outlets, and may be pre-wired for overhead connections. Each leg will also accept an optional electrical fixture below the worksurface.

Workstation Support Frame layout Technical Sheets on pages 44 and 45 may be used to specify services and options required.

Workstation Support Frame Plumbing and Electrical Options



Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

KEWAUNEE Scientific Corporation

Single-sided Support Frame Options

Specifications:

Internal Service Tubes are required to mount services on the Workstation Support Frame. They are factory installed and consist of either copper or stainless steel ¼" tubing with a female ⅜" IPS outlet escushion mounted in the 2" leg and a female ⅜" IPS inlet at the top of the leg. They are available in three lengths that correspond to the three mounting locations in the leg.

Ball Valves are chrome plated brass and provide on/off control of gas, air, or vacuum at pressures up to 75 PSI.

Needle Point Cocks are chrome plated brass with a brass floating cone and integral brass seat. They provide metering control of laboratory gases at pressures up to 60 PSI.

Internal Service Tubes

Copper Tube

for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Female Outlet

Length	Part Number	
40"	**W-2321-40**	Top Hole
44"	**W-2321-44**	Middle Hole
48"	**W-2321-48**	Bottom Hole

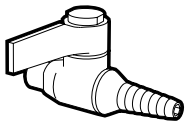
Stainless Steel Tube

for Natural & Reactive Gases
3/8" IPS Female Inlet — 3/8" IPS Female Outlet

Length	Part Number	
40"	**W-2421-40**	Top Hole
44"	**W-2421-44**	Middle Hole
48"	**W-2421-48**	Bottom Hole

Specify service fitting locations on *Workstation Support Frame Layout Sheet*

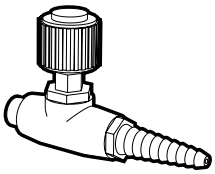
Service Fittings



Ball Valve

3/8" IPS Male Inlet

Part Number	Service
W-0242-0A	Air
W-0242-0G	Gas
W-0242-0N	Nitrogen
W-0242-0R	Argon
W-0242-0V	Vacuum
W-0242-00	Specify

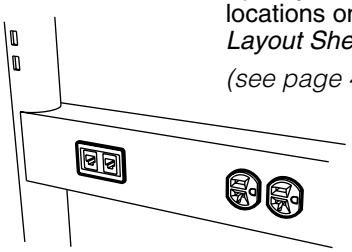


Needle Point Cock

3/8" IPS Male Inlet

Part Number	Service
W-0243-0A	Air
W-0243-0G	Gas
W-0243-0N	Nitrogen
W-0243-0R	Argon
W-0243-0V	Vacuum
W-0243-00	Specify

Power Bar Electrical Fixtures



Specify Power Bar Elecrtrical Fixture locations on *Workstation Support Frame Layout Sheet*

(see page 44 and 45)

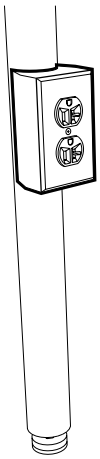
Data/Com Outlet

Part Number	Device
0720-0K	Black RJ45 Duplex
0720-0V	Ivory RJ45 Duplex

120 VAC Outlet

Part Number	Device
0581-0K	Black 20 amp Duplex
0581-0V	Ivory 20 amp Duplex
0656-0K	Black 20 amp GFI Duplex
0656-0V	Ivory 20 amp GFI Duplex

Rear Support Leg Electrical Fixtures



Specify Leg Electrical Fixture locations on *Workstation Support Frame Layout Sheet*

(see page 44 and 45)

120 VAC Outlet

Part Number	Device
FE-2581-1K	Black 20 amp Duplex
FE-2581-1V	Ivory 20 amp Duplex
FE-2656-1K	Black 20 amp GFI Duplex
FE-2656-1V	Ivory 20 amp GFI Duplex

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

Single-sided Support Frame Accessories

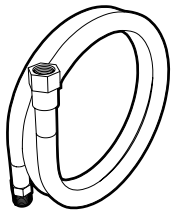
Specifications:

Service Hoses are required to carry services from overhead service carriers to the top of the Support Frame. They may be used with Keyed Quick-Connect Fittings or attached directly to the Internal Service Tubes. Hoses are available in reinforced PVC, polyurethane, or braided stainless steel.

Power Cords are required to carry electrical power from the overhead service carriers to the top of the Support Frame. The SJ 12/3 cord is available in various configurations.

Keyed Quick-Connect Fittings are available for Hoses and Internal Service Tubes to ease service connection and disconnection during bench relocation. They are available in eight sizes (keys) which keeps service outlets from being connected to the wrong service.

Service Hoses



Reinforced PVC Hose

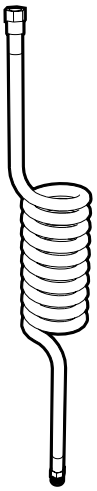
for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	**W-1133-36**
72"	**W-1133-72**

Braided Stainless Steel Hose

for Natural & Reactive Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	**W-1233-36**
72"	**W-1233-72**

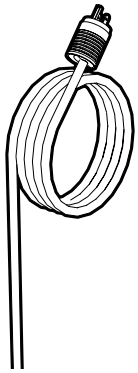


Coiled Polyurethane Hose

for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
72"	**W-1533-72**

Power Cords



3-wire Power Cord

120 VAC

Length	Part Number	Plug
36"	**W-5621-36**	20A Straight Blade
72"	**W-5621-72**	20A Straight Blade
36"	**W-5622-36**	20A Twist-Lock
72"	**W-5622-72**	20A Twist-Lock

Specify Power Cord locations on *Workstation Support Frame Layout Sheet*

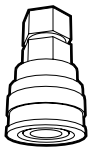
(see page 44 and 45)

Keyed Quick-Connect Fittings

Male Quick-Connect Fitting

3/8" IPS Male Outlet

Part Number	Key Color
W-8111-K1	Black
W-8111-K2	Orange
W-8111-K3	Green
W-8111-K4	Yellow
W-8111-K5	Blue
W-8111-K6	White
W-8111-K7	Purple
W-8111-K8	Brown



Female Quick-Connect Fitting

3/8" IPS Female Inlet

Part Number	Key Color
W-9112-K1	Black
W-9112-K2	Orange
W-9112-K3	Green
W-9112-K4	Yellow
W-9112-K5	Blue
W-9112-K6	White
W-9112-K7	Purple
W-9112-K8	Brown

Key Number and Color Code	Standard Service	Female Body Sleeve Dia.		Male Body Sleeve Dia.	
		in.	mm	in	mm
K1 Black	Helium	1.13	28.7	0.99	25.1
K2 Orange	Air	1.16	29.5	1.02	25.8
K3 Green	Cold Water	1.19	30.2	1.05	26.6
K4 Yellow	Vacuum	1.22	31.0	1.08	27.4
K5 Blue	Gas	1.24	31.5	1.11	28.1
K6 White	—	1.28	32.5	1.14	28.9
K7 Purple	Argon	1.31	33.3	1.17	29.7
K8 Brown	Nitrogen	1.34	34.0	1.20	30.4

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

KEWAUNEE Scientific Corporation

Double-Sided Workstation Support Frames

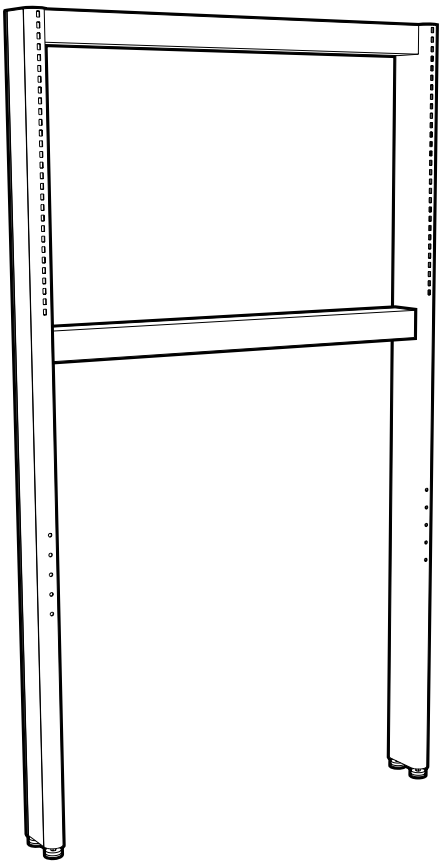
Specifications:

Double-sided Workstation Support Frames consist of two, 11 gauge, 2" x 6" oval, powder coated steel, tubular legs with leveling feet. An Upper Spacer Channel and lower Power Bar, located 53½" above the floor are securely fastened to the legs to form a rigid support frame.

The upper portion of the frame is slotted on 1" centers to accept shelving. The lower section of the frame is bored and tapped for the attachment of the adjustable height Worksurface Frame. Each 6" tubular leg has a full-height removable access panel.

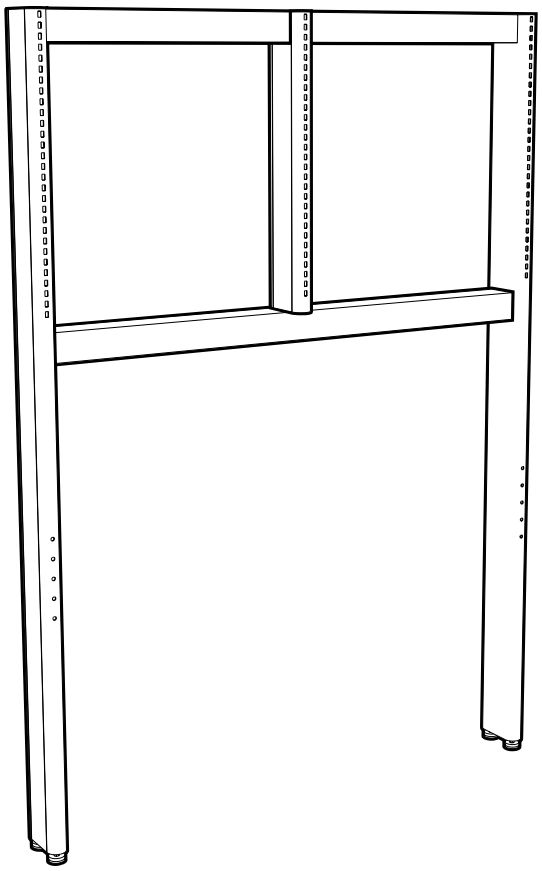
Workstation Support Frames 60" long and longer have an additional center post to add further support for the shelving assemblies.

Double Sided Workstation Support Frames



Double-sided Workstation Support Frame

42" Long	**FE30M840642-00**
48" Long	**FE30M840648-00**



Double-sided Workstation Support Frame

60" Long	**FE30M840660-00**
72" Long	**FE30M840672-00**
96" Long	**FE30M840696-00**

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

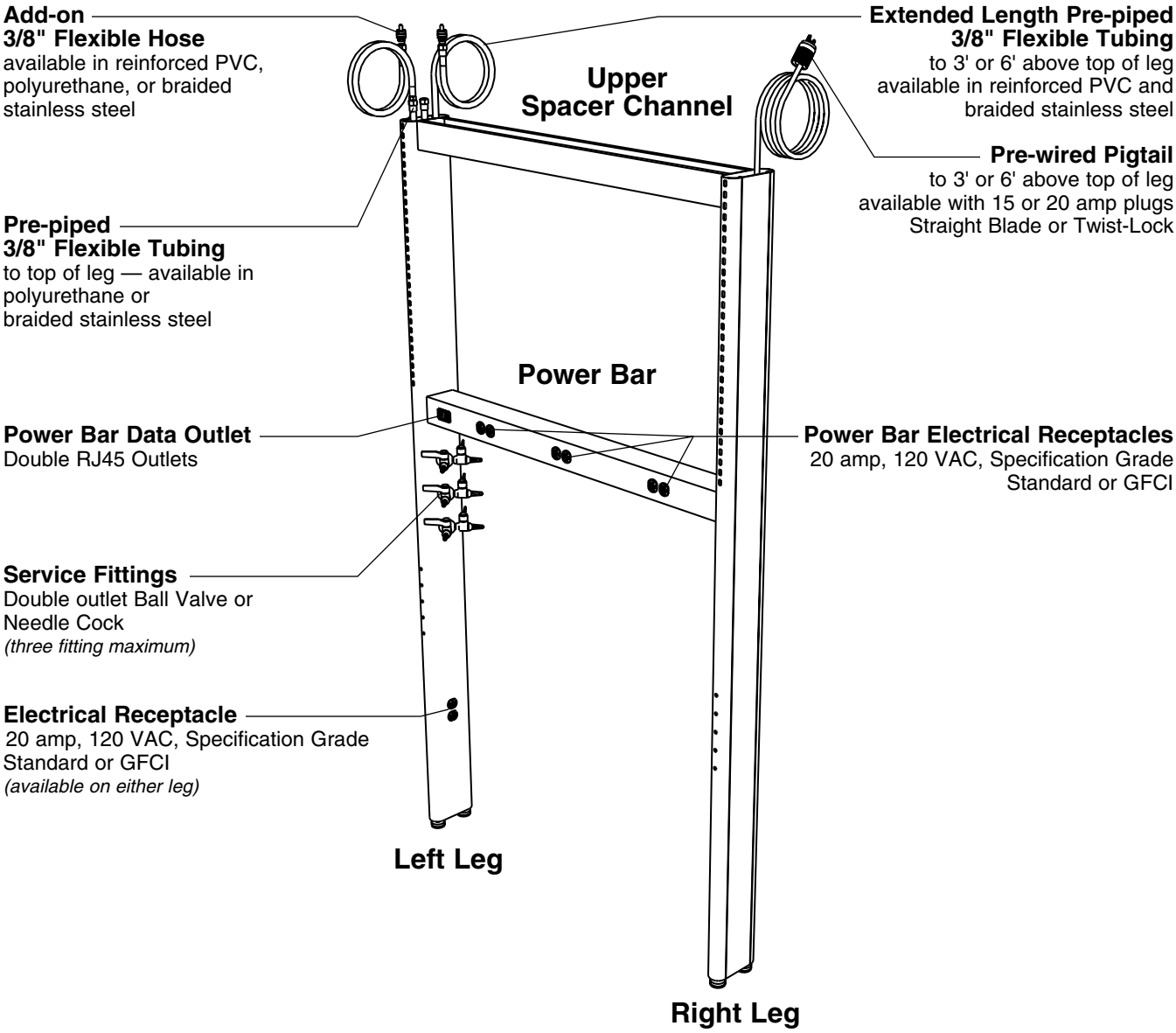
Double-Sided Support Frame Options

Specifications:

Double-sided Workstation Support Frames will accept numerous service, electrical, and data/com options. Each leg will accept up to three service fittings, pre-piped for easy connection to overhead services. They may be piped with hoses to the top of the frame, or with Extended Length hoses which extend 3 or 6 feet above the top of the frame. The horizontal Power Bar will accept both electrical receptacles and data/com outlets, and may be pre-wired for overhead connections. Each leg will also accept an optional electrical fixture below the worksurface.

Workstation Support Frame layout Technical Sheets on pages 46 and 47 may be used to specify services and options required.

Workstation Support Frame Plumbing and Electrical Options



Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

KEWAUNEE Scientific Corporation

Double-sided Support Frame Options

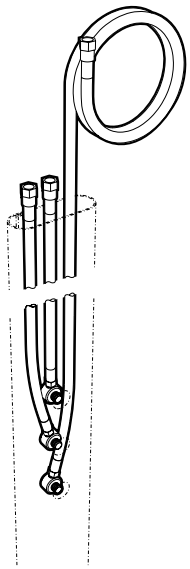
Specifications:

Internal Service Hoses are required to mount services on the Workstation Support Frame. They are factory installed when ordered with the service fitting and consist of either a reinforced PVC or braided stainless steel,⅜" hose with a male ⅜" IPS outlet nipple and a female ⅜" IPS inlet at the top of the leg. They are available in three lengths that correspond the three mounting locations in the leg or in **Extended Lengths**, reaching 3' or 6' above the leg top.

Double Ball Valves consist of a 90° wye turret with two chrome plated valves which provide on/off control of gas, air, or vacuum at pressures up to 75 PSI.

Needle Point Cocks consist of a 90° wye turret with two chrome plated valves with a brass floating cone and integral brass seat. They provide metering control of laboratory gases at pressures up to 60 PSI.

Internal Service Hoses



Reinforced PVC Hose

for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number	
40"	**W-6132-40**	Top Hole
44"	**W-6132-44**	Middle Hole
48"	**W-6132-48**	Bottom Hole
84"	**W-6132-84**	**Extended Length**
120"	**W-6132-20**	**Extended Length**

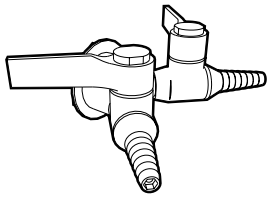
Braided Stainless Steel Hose

for Natural & Reactive Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number	
40"	**W-6232-40**	Top Hole
44"	**W-6232-44**	Middle Hole
48"	**W-6232-48**	Bottom Hole
84"	**W-6232-84**	**Extended Length**
120"	**W-6232-20**	**Extended Length**

Specify service fitting locations on *Workstation Support Frame Layout Sheet*

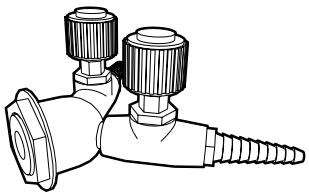
Service Fittings



Double Ball Valve

3/8" IPS Female Inlet

Part Number	Service
W-0602-0A	Air
W-0602-0G	Gas
W-0602-0N	Nitrogen
W-0602-0R	Argon
W-0602-0V	Vacuum
W-0602-00	Specify

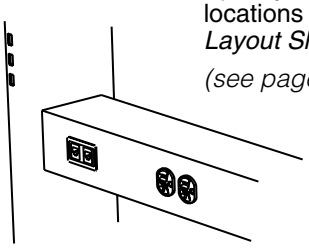


Double Needle Point Cock

3/8" IPS Female Inlet

Part Number	Service
W-0603-0A	Air
W-0603-0G	Gas
W-0603-0N	Nitrogen
W-0603-0R	Argon
W-0603-0V	Vacuum
W-0603-00	Specify

Power Bar Electrical Fixtures



Specify Power Bar Elecrtrical Fixture locations on *Workstation Support Frame Layout Sheet*

(see page 46 and 47)

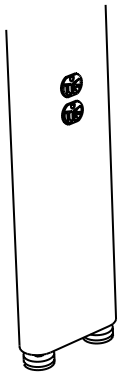
Data/Com Outlet

Part Number	Device
0720-0K	Black RJ45 Duplex
0720-0V	Ivory RJ45 Duplex

120 VAC Outlet

Part Number	Device
0581-0K	Black 20 amp Duplex
0581-0V	Ivory 20 amp Duplex
0656-0K	Black 20 amp GFI Duplex
0656-0V	Ivory 20 amp GFI Duplex

Rear Support Leg Electrical Fixtures



Specify Leg Electrical Fixture locations on *Workstation Support Frame Layout Sheet*

(see page 46and 47)

120 VAC Outlet

Part Number	Device
0581-0K	Black 20 amp Duplex
0581-0V	Ivory 20 amp Duplex
0656-0K	Black 20 amp GFI Duplex
0656-0V	Ivory 20 amp GFI Duplex

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

Double-sided Support Frame Accessories

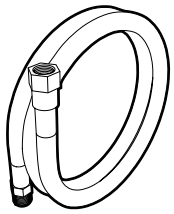
Specifications:

Service Hoses are required to carry services from overhead service carriers to the top of the Support Frame unless Extended Length Internal Service Hoses are used. They may be used with Keyed Quick-Connect Fittings or attached directly to the Internal Service Hoses. Hoses are available in reinforced PVC, polyurethane, or braided stainless steel.

Power Cords are required to carry electrical power from the overhead service carriers to the top of the Support Frame. The SJ 12/3 cord is available in various configurations.

Keyed Quick-Connect Fittings are available for Hoses and Internal Service Tubes to ease service connection during bench relocation. They are available in eight sizes (keys) which keeps service outlets from being switched.

Service Hoses



Reinforced PVC Hose

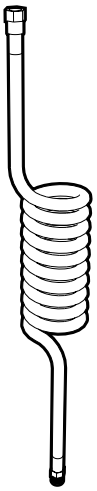
for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	**W-1133-36**
72"	**W-1133-72**

Braided Stainless Steel Hose

for Natural & Reactive Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	**W-1233-36**
72"	**W-1233-72**

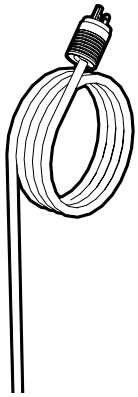


Coiled Polyurethane Hose

for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
72"	**W-1533-72**

Power Cords



3-wire Power Cord

120 VAC

Length	Part Number	Plug
36"	**W-5621-36**	20A Straight Blade
72"	**W-5621-72**	20A Straight Blade
36"	**W-5622-36**	20A Twist-Lock
72"	**W-5622-72**	20A Twist-Lock

Specify Power Cord locations on *Workstation Support Frame Layout Sheet*

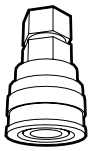
(see page 46 and 47)

Keyed Quick-Connect Fittings

Male Quick-Connect Fitting

3/8" IPS Male Outlet

Part Number	Key Color
W-8111-K1	Black
W-8111-K2	Orange
W-8111-K3	Green
W-8111-K4	Yellow
W-8111-K5	Blue
W-8111-K6	White
W-8111-K7	Purple
W-8111-K8	Brown



Female Quick-Connect Fitting

3/8" IPS Female Inlet

Part Number	Key Color
W-9112-K1	Black
W-9112-K2	Orange
W-9112-K3	Green
W-9112-K4	Yellow
W-9112-K5	Blue
W-9112-K6	White
W-9112-K7	Purple
W-9112-K8	Brown

Key Number and Color Code	Standard Service	Female Body Sleeve Dia.		Male Body Sleeve Dia.	
		in.	mm	in	mm
K1 Black	Helium	1.13	28.7	0.99	25.1
K2 Orange	Air	1.16	29.5	1.02	25.8
K3 Green	Cold Water	1.19	30.2	1.05	26.6
K4 Yellow	Vacuum	1.22	31.0	1.08	27.4
K5 Blue	Gas	1.24	31.5	1.11	28.1
K6 White	—	1.28	32.5	1.14	28.9
K7 Purple	Argon	1.31	33.3	1.17	29.7
K8 Brown	Nitrogen	1.34	34.0	1.20	30.4

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.