

# FILL STATIONS



NOTE: Weights and Sizes listed in this brochure are approximations and are subject to change without notice. For exact weights and dimensions please consult a Jordair representative.

Jordair reserves the right to change models or scope of supply at its own discretion and without notice; obtaining current factory technical product descriptions is recommended

**Jordair breathing air equipment meets or exceeds the latest CSA standard CAN/CSA-Z180.1-19**

## DF SERIES FILL STATIONS



### Jordair QC Program

- ISO 9001:2015 Cert. FM664273
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

### System Features:

- Larger gauge panel for all features
- Inlet and outlet 4" gauges
- Safety air shut off valve when door is open
- Balanced door for ease of opening/closing
- Dual lock system for ultimate safety
- Third Party Tested
- Front Door Steel Plate
- Operator Protection

### NFPA 1901 CERTIFIED REGULATOR CONTROLLED FILL STATION - TILT DOOR

MODEL	NO. OF FILL POINTS	FILL TYPE	FILL PRESSURE	WEIGHT	SIZE (IN) H x D x W
J-FFS-DF2-2	2	SCBA	2216/3000 PSIG	600 LBS	62 x 24 x 28
J-FFS-DF2-4	2	SCBA	4500 PSIG	600 LBS	62 x 24 x 28
J-FFS-DF3-2	3	SCBA	2216/3000 PSIG	715 LBS	62 x 24 x 35
J-FFS-DF3-4	3	SCBA	4500 PS650IG	715 LBS	62 x 24 x 35
J-FFS-DF4-2	4	SCBA	2216/3000 PSIG	825 LBS	62 x 24 x 45
J-FFS-DF4-4	4	SCBA	4500 PSIG	825 LBS	62 x 24 x 45

## DF SERIES FILL STATION STANDARD FEATURES

- The DF series SCBA recharging system is a free standing and complete filling/de-fragmentation station for 2216/3000 or 4500 psig cylinders. The SCBA refilling station is of a fully enclosed design to contain a SCBA or SCUBA cylinder failure or ruptured fill hose.
- The Jordair DF series fill stations are one of the safest the filling stations offered in Canada for the containment and recharging of SCBA cylinders.
- A fully enclosed SCBA containment system that encloses both the SCBA cylinders and the filling hoses with a tilting front access door. The door must be closed and locked before SCBA cylinders can be recharged.
- A toggle activated valve stops air flow to the filling points when the door is opened.
- The new door design for the fill stations is simple to operate and very user friendly. The spring lock system provides complete security when filling.
- The front access door is steel plate steel for optimum operator safety.
- The front access door is held in the closed position by a spring loaded pin type door lock.
- Heavy wall schedule 80 steel 8" pipe used to contain the SCBA cylinders within the recharge station.
- Anti-abrasion collars and liners in the SCBA containment sleeves to protect the exterior of the SCBA cylinders from abrasion damage during the filling process.
- 6000 psig inlet shut off valve to isolate the recharging station from the compressor and air storage cylinders.
- One anodised aluminum, self-venting and adjustable regulator with operating pressures from 0 to 6,000-PSIG inlets and 0 to 6,000-PSIG outlet pressures.
- Self-venting regulator comes complete with 4" inlet and discharge pressure gauges; gauges are rated for 7500 psig. Gauges read in both PSI and kPa.
- 2½" pressure gauges for 2216/3000 or 4500 psig filling, installed for each fill outlet to indicate SCBA recharge pressure. Gauges read in both PSI & kPa.
- Panel mounted SCBA cylinder shut off valves for 2216/3000 or 4500 PSIG fill positions.
- SCBA recharge assemblies are supplied for 2216/3000 or 4500 psig filling.
- A CRN certified safety relief valve is set for 2400/3200 or 4700 psig to protect the filling of the 2216/3000 or 4500 psig SCBA or SCUBA cylinders.
- The SCBA 4500 PSIG cylinder fill hose assemblies will only recharge the high-pressure 4.5 SCBA cylinders. If a 2216 SCBA cylinder is accidentally connected the 4500 PSIG filling hose the filling adaptor will automatically vent to atmosphere.
- All recharge hose assemblies are equipped with restriction orifices set to the CSA Z94.4 rate of 300 psig per minute, to control filling speed. When a cascade system is used, this prevents rapid cylinder expansion and significant pressure drop due to the compression heat created during a rapid refilling situation.
- All pressure piping conforms to ASME code B31.1 and B31.3

## DF SERIES FILL STATION UPGRADE OPTIONS

### ADDITIONAL FILL HOSES, REMOTE OUTLETS AND PRESSURES

<b>J-FSFP-1</b>	1 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-2</b>	2 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-3</b>	3 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-4</b>	4 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-6</b>	6 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-8</b>	8 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-10</b>	10 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-12</b>	12 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSEFP</b>	Remote Fill Point / Bank Isolation with valve and gauge
<b>J-FSFP-IV-K</b>	Isolation Valve Kit for adding an additional fill pressure to fill station

### CASCADE OPTIONS, PARTS & ACCESSORIES

<b>J-FFS-3C</b>	Manual Cascade System - 3 Banks, for fill station
<b>J-FFS-4C</b>	Manual Cascade System - 4 Banks, for fill station
<b>J-SV1018-3</b>	Auto Cascade - For 3 banks c/w gauges
<b>J-SV1018-4</b>	Auto Cascade - For 4 banks c/w gauges
<b>J-PSV-6-6000-05</b>	Sequencing Valve for Auto Cascade - 6000 PSIG
<b>J-BPR-6-150-6000</b>	Priority Valve for Auto Cascade - 6000 PSIG

## D SERIES FILL STATIONS



### Jordair QC Program

- ISO 9001:2015 Cert. FM664273
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

### System Features:

- Larger gauge panel for all features
- Inlet and outlet 4" gauges
- Safety air shut off valve when door is open
- Third Party Tested
- Front Door Steel Plate
- Operator Protection

### NFPA 1901 CERTIFIED REGULATOR CONTROLLED FILL STATION - SLIDING DOOR

MODEL	NO. OF FILL POINTS	FILL TYPE	FILL PRESSURE	WEIGHT	SIZE (IN) H x D x W
J-FFS-D2-2	2	SCBA	2216/3000 PSIG	1425 LBS	69 x 34 x 38
J-FFS-D2-4	2	SCBA	4500/5500 PSIG	1425 LBS	69 x 34 x 38
J-FFS-D3-2	3	SCBA	2216/3000 PSIG	1450 LBS	69 x 34 x 38
J-FFS-D3-4	3	SCBA	4500/5500 PSIG	1450 LBS	69 x 34 x 38
J-FFS-D4-2	4	SCBA	2216/3000 PSIG	1475 LBS	69 x 34 x 38
J-FFS-D4-4	4	SCBA	4500/5500 PSIG	1475 LBS	69 x 34 x 38
J-FFS-D6-2	6	SCBA	2216/3000 PSIG	1550 LBS	69 x 34 x 54
J-FFS-D6-4	6	SCBA	4500/5500 PSIG	1550 LBS	69 x 34 x 54
J-FFS-D8-2	8	SCBA	2216/3000 PSIG	1590 LBS	69 x 34 x 54
J-FFS-D8-4	8	SCBA	4500/5500 PSIG	1590 LBS	69 x 34 x 54
J-FFS-D10-2	10	SCBA	2216/3000 PSIG	1830 LBS	69 x 34 x 70
J-FFS-D10-4	10	SCBA	4500/5500 PSIG	1830 LBS	69 x 34 x 70
J-FFS-D12-2	12	SCBA	2216/3000 PSIG	1875 LBS	69 x 34 x 70
J-FFS-D12-4	12	SCBA	4500/5500 PSIG	1875 LBS	69 x 34 x 70

## D SERIES FILL STATION STANDARD FEATURES

- The D series SCBA recharging system is a free standing and complete filling/de-fragmentation station for 2216, 3000, 4500 and 5500 PSIG cylinders.
- The Jordair D series fill stations are the safest filling stations offered in Canada for the containment and recharging of SCBA cylinders.
- A fully enclosed SCBA containment system that encloses both the SCBA cylinders and the filling hoses with a ½” plate steel sliding front access door. The door must be closed and locked before SCBA cylinders can be recharged.
- A toggle activated valve stops air flow to the filling points when the door is opened.
- The front access door is held in the closed position by a spring loaded pin type door lock.
- Heavy wall schedule 80 steel 8” pipe used to contain the SCBA cylinders within the recharge station.
- Anti-abrasion collars and liners in the SCBA containment sleeves to protect the exterior of the SCBA cylinders from abrasion damage during the filling process.
- 7000 PSIG inlet shut off valve to isolate the recharging station from the compressor and air storage cylinders.
- One anodised aluminum, self-venting and adjustable regulator with operating pressures from 0 to 7,000-PSIG inlets and 0 to 7,000-PSIG outlet pressures.
- Self-venting regulator comes complete with 4” inlet and discharge pressure gauges; gauges are rated for 7500. Gauges read in both PSI & kPa.
- 2½” pressure gauges for 2216, 3000 or 4500 and 5500 psig filling, installed for each fill outlet to indicate SCBA recharge pressure. Gauges read in both PSI & kPa.
- Panel mounted SCBA cylinder shut off valves for 2216, 3000 or 4500, 5500 PSIG fill positions.
- SCBA recharge assemblies are supplied for the selected 2216, 3000, 4500 or 5500 psig filling.
- A CRN certified safety relief valve is set for 2400, 3200, 4700 psig to protect the filling of the 2216, 3000, 4500 psig SCBA or SCUBA cylinders.
- The SCBA 4500 and 5500 PSIG cylinder fill hose assemblies will only recharge the high-pressure 4.5 SCBA cylinders. If a 2216 SCBA cylinder is accidentally connected the 4500 PSIG filling hose the filling adaptor will automatically vent to atmosphere.
- All recharge hose assemblies are equipped with restriction orifices set to the CSA Z94.4 rate of 300 psig per minute, to control filling speed. When a cascade system is used, this prevents rapid cylinder expansion and significant pressure drop due to the compression heat created during a rapid refilling situation.
- All pressure piping conforms to ASME code B31.1 and B31.3.
- All D series fill stations have been third party tested and certified to 5500 psig by Intertek and Power Tech Labs.

## D SERIES FILL STATION UPGRADE OPTIONS

### ADDITIONAL FILL HOSES, REMOTE OUTLETS AND PRESSURES

<b>J-FSFP-1</b>	1 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-2</b>	2 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-3</b>	3 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-4</b>	4 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-6</b>	6 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-8</b>	8 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-10</b>	10 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSFP-12</b>	12 Additional Fill Hose at 2216, 3000, SCUBA, 4500, or 5500 PSIG - For D & DF Fill Stations
<b>J-FSEFP</b>	Remote Fill Point / Bank Isolation with valve and gauge
<b>J-FSFP-IV-K</b>	Isolation Valve Kit for adding an additional fill pressure to fill station

### CASCADE OPTIONS, PARTS & ACCESSORIES

<b>J-FFS-3C</b>	Manual Cascade System - 3 Banks, for fill station
<b>J-FFS-4C</b>	Manual Cascade System - 4 Banks, for fill station
<b>J-SV1018-3</b>	Auto Cascade - For 3 banks c/w gauges
<b>J-SV1018-4</b>	Auto Cascade - For 4 banks c/w gauges
<b>J-PSV-6-6000-05</b>	Sequencing Valve for Auto Cascade - 6000 PSIG
<b>J-BPR-6-150-6000</b>	Priority Valve for Auto Cascade - 6000 PSIG

## FILL-KAT SERIES FILL STATIONS



### Jordair QC Program

- ISO 9001:2015 Cert. FM664273
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

### System Features:

- Larger gauge panel for all features
- Inlet and outlet 4" gauges
- Safety air shut off valve when door is open
- Electronically controlled filling
- Third Party Tested
- Front Door Steel Plate
- Operator Protection

### NFPA 1901 CERTIFIED REGULATOR CONTROLLED FILL STATION - SLIDING DOOR FILL-KAT LINEAR FILL STATION, PLC CONTROLLED

MODEL	NO. OF FILL POINTS	FILL TYPE	FILL PRESSURE	WEIGHT	SIZE (IN) H x D x W
FILL-KAT-D2	2	SCBA	2216, 3000 or 4500 PSIG	1425 LBS	68 x 38 x 34
FILL-KAT-D3	3	SCBA	2216, 3000 or 4500 PSIG	1450 LBS	68 x 38 x 34
FILL-KAT-D4	4	SCBA	2216, 3000 or 4500 PSIG	1475 LBS	68 x 38 x 34
FILL-KAT-D6	6	SCBA	2216, 3000 or 4500 PSIG	1550 LBS	68 x 54 x 34
FILL-KAT-D8	8	SCBA	2216, 3000 or 4500 PSIG	1575 LBS	68 x 54 x 34
FILL-KAT-D10	10	SCBA	2216, 3000 or 4500 PSIG	1830 LBS	68 x 70 x 34
FILL-KAT-D12	12	SCBA	2216, 3000 or 4500 PSIG	1875 LBS	68 x 70 x 34



## FILL-KAT FILL STATION STANDARD FEATURES

- The FILL-KAT series SCBA recharging system is a free standing and complete filling/de-fragmentation station for 2216, 3000, 4500 and 5500 psig cylinders. The SCBA refilling station is of a fully enclosed design to contain a SCBA cylinder failure or ruptured SCBA fill hose.
- The Jordair FILL-KAT series fill stations are the safest and most technically advanced filling stations offered in Canada for the containment and recharging of SCBA cylinders.
- Linear filling of SCBA cylinders with optional compressor interface for integrated compressor and fill station operation.
- Operator control is optional as open use or overseen by a password system which ensures only fully trained operators are filling the SCBA cylinders.
- The fill station is set to fill at the CSA standard rate of exactly 300 PSIG per minute; other fill rates up to 1500 PSIG per minute can be selected by entering the pass code and selecting the new fill rate displayed on the screen. The system defaults to the 300 PSIG/min rate.
- A fully enclosed SCBA containment system that encloses both the SCBA cylinders and the filling hoses with a sliding front access door. The door must be closed and locked before SCBA cylinders can be recharged.
- A toggle activated valve stops air flow to the filling points when the door is opened.
- Sliding front access door is ½" plate steel for optimum operator safety.
- The front access door is held in the closed position by a spring loaded pin type door lock.
- Heavy wall schedule 40 steel 8" pipe used to contain the SCBA cylinders within the recharge station.
- Anti-abrasion collars and liners in the SCBA containment sleeves to protect the exterior of the SCBA cylinders from abrasion damage during the filling process
- 7000 psig inlet ball type shut off valve to isolate the recharging station from the compressor and air storage cylinders.
- One anodised aluminum, self-venting and adjustable regulator with operating pressures from 0 to 7,000-PSIG inlets and 0 to 7,000-PSIG outlet pressures.
- The fill station has one fill hose per fill position and a quick disconnect to allow fill adapter changes for different pressures.
- When different filling pressures are required, a manual selection valve provides for the desired pressure and safety relief valve over-fill protection.
- The final fill pressure is selected on the touch screen when the FILL-KAT is ordered with more than one fill pressure option.
- Panel mounted SCBA cylinder ball type shut off valves for 2216, 3000, 4500 and 5500 PSIG fill positions.
- SCBA recharge assemblies are supplied for the selected 2216, 3000, 4500 or 5500 psig filling.
- A CRN certified safety relief valve is set for 2400, 3200, 4700 and 5700 psig to protect the filling of the 2216, 3000, 4500 and 5500 psig SCBA or SCUBA cylinders.
- The fill station has removable service access panels for ease of service of the pressure components.
- All pressure piping conforms to ASME code B31.1 and B31.3.
- All D series fill stations have been third party tested and certified to 5500 psig by Intertek and Power Tech Labs.

## FILL-KAT FILL STATION UPGRADE OPTIONS

### ADDITIONAL FILL HOSES, REMOTE OUTLETS AND PRESSURES

<b>J-FSEFP</b>	Remote Fill Point / Bank Isolation with valve and gauge
<b>J-FSFP-IV-K</b>	Isolation Valve Kit for adding an additional fill pressure to fill station

### CASCADE OPTIONS, PARTS & ACCESSORIES

<b>J-FFS-3C</b>	Manual Cascade System - 3 Banks, for fill station
<b>J-FFS-4C</b>	Manual Cascade System - 4 Banks, for fill station
<b>J-SV1018-3</b>	Auto Cascade - For 3 banks c/w gauges
<b>J-SV1018-4</b>	Auto Cascade - For 4 banks c/w gauges
<b>J-PSV-6-6000-05</b>	Sequencing Valve for Auto Cascade - 6000 PSIG
<b>J-BPR-6-150-6000</b>	Priority Valve for Auto Cascade - 6000 PSIG

### FILL-KAT LINEAR FILL STATION PARTS & ACCESSORIES

<b>J-LFV-6000*</b>	Complete linear fill system for fill station
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\*The J-LFV-6000 includes all of the items shown below

<b>J-PT-6000</b>	Pressure transmitter for linear fill station
<b>J-PCV-6000</b>	Linear fill valve - 300 PSIG per minute flow rate
<b>6ES7-214-2AD23-0XB0</b>	PLC - For linear valve control only
<b>6AV 642-0AA11-0AX1</b>	Touch screen display for linear fill station

## J-6000 SERIES FILL PANELS



### Jordair QC Program

- ISO 9001:2015 Cert. FM664273
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

### WALL MOUNTED & PORTABLE SCBA FILLING PANELS & REGULATOR PANELS

MODEL	NO. OF FILL POINTS	FILL TYPE	FILL PRESSURE	WEIGHT	SIZE (IN) H x D x W
J-6000-DR	3	SCBA/SCUBA	2216/3000/4500 SCBA, 3000 SCUBA	53 LBS	15 x 7 x 30
J-6000-DRC	3	SCBA/SCUBA	2216/3000/4500 SCBA, 3000 SCUBA*	64 LBS	15 x 7 x 36
J-6000-MR	2	SCBA	2216/3000/4500 PSIG	40 LBS	15 x 7 x 24
J-6000-SR-2	1	SCBA	2216/3000 PSIG	29 LBS	15 x 7 x 12
J-6000-SR-3	1	SCUBA	3000 PSIG	29 LBS	15 x 7 x 12
J-6000-SR-4	1	SCBA	4500 PSIG	29 LBS	15 x 7 x 12

\*Comes standard with 3 bank cascade valves and gauges

## J-6000 FILL PANEL STANDARD FEATURES

- One panel inlet shut off valve to isolate the panel from the compressor or storage cylinders.
- Self-venting regulator comes complete with 4" inlet and discharge pressure gauges; gauges are rated for 7500 psig. Gauges read in both PSI and kPa.
- 4" inlet and outlet pressure gauges for the regulator. Gauge is rated for 7500 PSIG and reads in both PSI & kPa.
- 2½" pressure gauge to indicate SCBA recharging pressure. Gauge is rated for 7500 PSIG and reads in both PSI and kPa.
- All recharge hose assemblies are equipped with restriction orifices set to 300 PSIG per minute, as per CSA Z94.4 to control the filling speed. This prevents rapid SCBA cylinder expansion and significant pressure drop due to the compression heat created during a rapid refilling situation.
- A CRN certified safety relief valve is set for 2400/3200 or 4700 psig to protect the filling of the 2216/3000 or 4500 psig SCBA or SCUBA cylinders.
- All pressure piping conforms to ASME code B31.1 and B31.3

## J-6000 FILL PANEL UPGRADE OPTIONS

### ADDITIONAL FILL HOSES, REMOTE OUTLETS AND PRESSURES

<b>J-FSFP-1</b>	1 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-2</b>	2 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-3</b>	3 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-4</b>	4 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-6</b>	6 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-8</b>	8 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-10</b>	10 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSFP-12</b>	12 Additional Fill Hose at 2216, 3000, SCUBA or 4500 PSIG - For D & DF Fill Stations
<b>J-FSEFP</b>	Remote Fill Point / Bank Isolation with valve and gauge
<b>J-FSFP-IV-K</b>	Isolation Valve Kit for adding an additional fill pressure to fill station

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