

Comparison – Flammable storage to Explosion Proof models

I have a Flammable storage refrigerator/freezer; can this be used in an Explosion proof requirement for my lab? What is the difference?

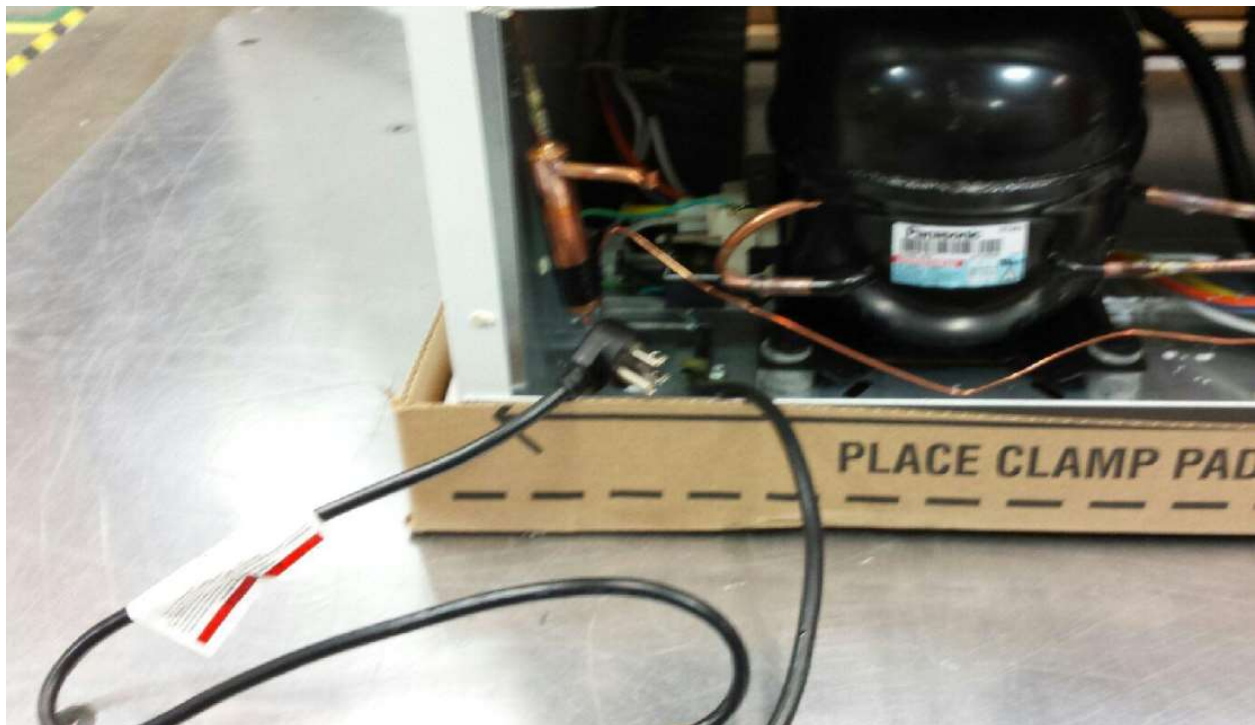
Product Serial # or model #
Revision Date: October, 3,2014

I have a Flammable storage refrigerator/freezer; can this be used in an Explosion proof requirement for my lab? What is the difference?

The simple answer is No. You cannot use a Flammable storage refrigerator in an Explosion proof application **or vice versa.**

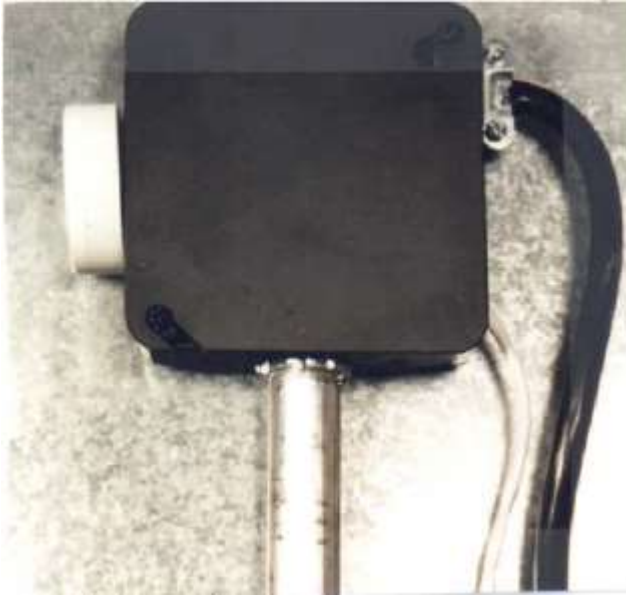
Please see the differences below:

Common Pharmacy/Blood and General purpose refrigerator and freezers are designed for storage of a product. They are appropriate for regular ambient air office and lab environments that are non-explosive. These type units are not suitable for flammable storage or to be used in an explosive environment.



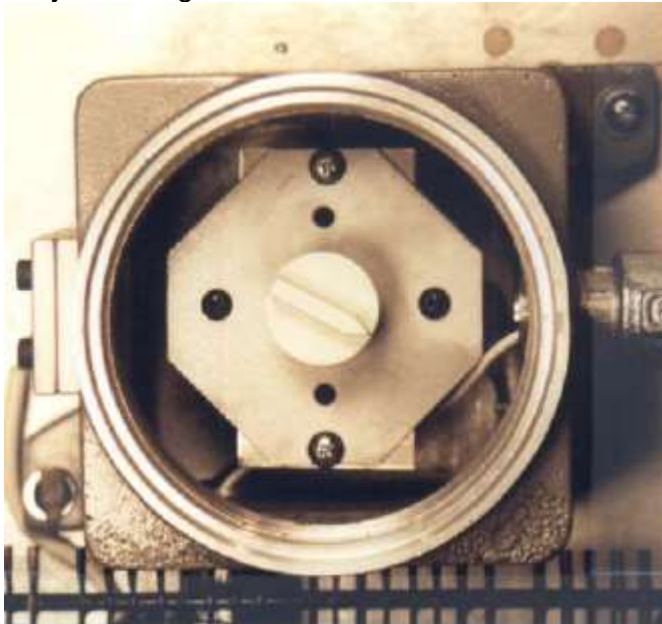
General Purpose refrigerators have a cord that exits directly through the rear of the unit. (It will be similar to your home refrigerator/freezer).

Flammable Storage: Only refrigerator and freezers that are designed for storage of flammable material are acceptable to store flammable material in. The interior of these units have Spark free interior to reduce the risk of internal explosion. All models have a manual defrost. These units are designed to meet NFPA 45 and 99 along with OSHA article 1910.307.



Housing on back of **Flammable Storage** unit with the **power cord** attached.

Explosion Proof: Explosion proof refrigerators are designed to operate in areas where even the air outside of the refrigerator may be explosive. The Explosion proof refrigerator is designed with Spark free interior and exteriors to reduce the risk of explosion. They are also manual defrost models. **They do not have power cords. They must be hard wired to the facility's electrical system by a qualified electrician.** They are designed for use in Class 1, Division 1, and Group C and D environments.



Housing on back of **Explosion proof** with the outside cover removed. **No power cord but is a direct wire** in to the control housing. (Notice Electrical Wire Conduit on right side into housing)

“If this fails to resolve your issue or questions, it is recommend you contact our Pre-Sales department and they will be happy to assist you with what your lab application will require, please call us at 866-984-3766.”

3766A	SLR512A 5'COMBO GL	ALLEGIANCE
3566A	ILR45A 5'COMBO GL	HARRIS
3566-10A	RLR511A 5ft COMBO GL	VWR
3767A	R406GA 5'COMBO GL	REVCO
3552A	EPR54A 5ftCOMBO EXP	POLARSTAR
3552-10A	XLR45A 5ftCOMBO EXP	JEWETT
RFS54A 5ft COMBO FLS	RXP54A 5ft COMBO EXP	FORMA
R406FA 5'COMBO FLS	R406XA 5ftCOMBO EXP	PUFFER HUBBARD
C4F-1B 5ft FRZ GL	FSR54A 5ftCOMBO FLS	Explosion
IUF1804A 5ftFRZ GL	FLR45A 5ftCOMBO FLS	Flammable
REF417A5ft FRZ GL	RXP164A 16ft REF EXP	JFM21R-1B 21ft REF F
U2004GA 5ft FZR GL	FSR164A 16ft REF FLS	FRFS214A 21'REF FLS
CX4F-1B 5ft FRZ EXP	JFM16R-1B 16ft REF F	FLR421A 21ft REF FLS
XUF1804A 5ftFRZ EXP	FRFS164A 16' REF FLS	RFS214A 21ftREF FLS
EXF418A 5ft FRZ EXP	FLR416A 16ftREF FLS	R421FA 21ft REF FLS
U2004XA 5ft FZR EXP	RFS164A 16ft REF FLS	SLF2118A 21ft FRZ GL
CF4F-1B 5ft FRZ FLS	SLF1618A 16ft FRZ GL	R21F-1B 21' FRZ GL
FUF1804A HARRIS/PH 5ftFRZ FLS	R16F-1B 16ftFRZ GL	FREF2117A 21' FRZ GL
FMS418A 5ft FRZ FLS	FREF1617A 16' FRZ GL	IUF1821A 21' FRZ GL
U2004FA 5ft FZR FLS	IUF1816A 16ftFRZ GL	REF2117A 21ft FRZ GL
C65R-1B 6.5ft REF GL	REF1617A 16ft FRZ GL	U2020GA 21'FRZ GL
FRLR065A 6.5' REF GL	REF1617A 16' FRZ GL	EPF2118A 21ft FRZ EXP
RLR065A 6.5' REF GL	U2016GA 16ftFRZ GL	JXP21F-1B 21ft FRZ E
C65RF-1B 6.5ft COMBO	EPF1618A 16ft FRZ EXP	FEXF2118A 21' FRZ EXP
C65F-1B 6.5ft FRZ GL	JXP16F-1B 16ft FRZ E	XUF1821A 21ft FRZ EXP
FREF065A 6.5ft FRZ GL	FEXF1618A 16' FRZ EXP	EXF2118A 21ft FRZ EXP
REF065A 6.5ft FRZ GL	XUF1816A 16ftFRZ EXP	U2020XA 21ftFRZ EXP
GSC112A 11ft2DR COMBO GL	EXF1618A 16ft FRZ EXP	FSF2118A 21ft FRZ FLS
DLR411A 11ftCOMBO 2DR GL	U2016XA 16ft FRZ EXP	JFM21F-1B 21ft FRZ F
RCRF112A 11'2DR COM	FSF1618A 16ft FRZ FLS	FFMS2118A 21' FRZ FLS
R411GA 11ft 2DR COMBO GL	JFM16F-1B 16ft FRZ F	FUF1821A 21ft FRZ FLS
EPC112A 11ft2DR COMBO EXP	FFMS1618A 16' FRZ FLS	FMS2118A 21ft FRZ FLS

XDR411A 11ftCOMBO 2DR EXP	FUF1816A 16ftFRZ FLS	U2020FA 21ftFRZ FLS
RXPC112A 11ft2DR COM EXP	FMS1618A 16ft FRZ FLS	R250-1B 25'COMBO GL
R411XA 11ft 2DR COMBO EXP	U2016FA 16ft FRZ FLS	FRCRF252A 25'REF COMBO
FSC112A 11ft2DR COMBO FLS	R198-1B 19ftCOMBO GL	DLR425A 25ft REF GL
FDR411A 11ftCOMBO 2DR FLS	FRCRF192A 19' COMBO GL	RRCRF252A 25'REF COMBO GL
FMSC112A 11ft2DR COM FLS	DLR419A 19ft REF GL	SLR4304A 43' REF GL
R411FA 11ft 2DR COMBO FLS	RRCRF192A 19ft COMBO GL	JMT45R-1B 45ftREF GL
SLR1612A 16ft REF GL	SLR2112A 21' REF GL	JMT45R-1B 45'REF GL
FRLR1611A 16' REF GL	FRLR2111A 21'REF GL	FRLR4304A 43'REF GL
ILR416A 16ftREF GL	ILR421A 21ft REF GL	ILR443A 43ft REF GL
RLR1611A 16ft REF GL	RLR2111A 21'REF GL	RLR4304A 43'REF GL
EPR164A 16ft REF EXP	R421GA 21' REF GL	SCC4304A 43ft REF CHROM
JXP16R-1B 16ft REF E	EPR214A 21ft REF EXP	FRCR4304A 43'REF CHROM
FRXP164A 16' REF EXP	JXP21R-1B 21ft REF E	FC443A 43' REF CHROM
XLR416A 16ftREF EXP	FRXP214A 21'REF EXP	RRCR4304A 43ftREF CHROM
JRG70-1B 69ft3DR REF	XLR421A 21ft REF EXP	CR443A 43'REF CHROM
RLR7004A 69ftREF GL	RXP214A 21ftREF EXP	JMT66-1B 66'REF GL
RLR6604A 66'REF GL	R421XA 21ft REF EXP	ILR466A 66ft REF GL
	FSR214A 21ft REF FLS	