

flagro

INDUSTRIES LIMITED



PRODUCT CATALOGUE

INDIRECT FIRED HEATERS



FVO-400



FVNP-400

MODEL	FVO-400	FVNP-400
Heat Capacity	up to 390,000 btuh	up to 390,000 btuh
Fuel Tank Capacity/Run Time	42 US Gallons / 14 hrs	External
Heater Dimensions/Weight	70" x 29" x 52" / 450 lbs	70" x 29" x 47" / 365 lbs
Heater Exchanger	16 Gauge 304 Stainless Steel	16 Gauge 304 Stainless Steel
Air Circulation	2,500 CFM - Ductable up to 50ft	2,500 CFM - Ductable up to 50ft
Air Outlet/Inlet	Outlet - 2 x 12" Dia. or 1 x 16" Dia.	Outlet - 2 x 12" Dia. or 1 x 16" Dia.
Wheels	16" Dia. Flat Free Wheels	16" Dia. Flat Free Wheels
Power Requirements	115V / 15Amp (10.5 Amp Draw)	115V / 15Amp (10.5 Amp Draw)



FEATURES:

Proven Riello burner technology including nozzle pre-heater for cold weather start up and upgraded low temperature fuel pump.

High density flat free wheels, and smart power indicator control Stainless Steel welded heat exchanger

Optional: Tiger-loop fuel filter system that eliminates fuel system air locks & 118 US Gallon Fuel Tank.

**FVO-400RC****FVNP-400RC**

MODEL	FVO-400RC	FVNP-400RC
Heat Capacity	up to 390,000 btuh	up to 390,000 btuh
Fuel Tank Capacity/Run Time	42 US Gallons / 14 hrs	External
Heater Dimensions/Weight	70" x 29" x 54" / 450 lbs	70" x 29" x 54" / 365 lbs
Heater Exchanger	16 Gauge 304 Stainless Steel	16 Gauge 304 Stainless Steel
Air Circulation	4,000 CFM - Ductable up to 150ft	4,000 CFM - Ductable up to 150ft
Air Outlet/Inlet	Outlet - 2 x 12" Dia. or 1 x 16" Dia. Inlet - 1 x 16" Dia.	Outlet - 2 x 12" Dia. or 1 x 16" Dia. Inlet - 1 x 16" Dia.
Wheels	16" Dia. Flat Free Wheels	16" Dia. Flat Free Wheels
Power Requirements	115V / 15Amp (10.5 Amp Draw)	115V / 15Amp (10.5 Amp Draw)



FEATURES:

Proven Riello burner technology including nozzle pre-heater for cold weather start up and upgraded low temperature fuel pump.

Powerful backward incline blower provides ultra-quiet operation & low amperage, ductable up to 150FT.

High density flat free wheels, smart power indicator control and volt meter.

Optional: Tiger-loop fuel filter system that eliminates fuel system air locks & 118 US Gallon Fuel Tank.



FVO-200RC



FVO-200RC42



FVNP-200RC

MODEL	FVO-200RC	FVO-200RC42	FVNP-200RC
Heat Capacity	185,000 btuh	185,000 btuh	200,000 btuh
Fuel Tank Capacity/Run Time	23 US Gallons / 21 hrs	42 US Gallons / 38 hrs	External
Heater Dimensions/Weight	51.5" x 27" x 48" / 350 lbs	51.5" x 27" x 48" / 425 lbs	51.5" x 27" x 44" / 300 lbs
Heater Exchanger	16 Gauge 304 Stainless Steel	16 Gauge 304 Stainless Steel	16 Gauge 304 Stainless Steel
Fan Motor	2,600 CFM Ductable up to 150ft	2,600 CFM Ductable up to 150ft	2,600 CFM Ductable up to 150ft
Air Outlet/Inlet	Outlet - 1 x 12" Dia. or 1 x 16" Dia. Inlet - 1 x 12" Dia.	Outlet - 1 x 12" Dia. or 1 x 16" Dia. Inlet - 1 x 12" Dia.	Outlet - 1 x 12" Dia. or 1 x 16" Dia. Inlet - 1 x 12" Dia.
Wheels	12" Dia. Pneumatic Wheels 6" Lockable Caster Wheels	16" Dia. Flat Free Wheels	12" Dia. Pneumatic Wheels 6" Lockable Caster Wheels
Power Requirements	115V / 15Amp (6 Amp Draw)	115V / 15Amp (6 Amp Draw)	115V / 15Amp (6 Amp Draw)



FEATURES:

Proven Riello burner technology including nozzle pre-heater for cold weather start up and upgraded low temperature fuel pump.
Powerful backward incline blower provides ultra-quiet operation & low amperage, smart power indicator control and ductable up to 150FT.
Stackable frame allow for convenient transportation and storage.

HEATER APPLICATIONS



INDIRECT FIRED HEATERS



MODEL	FVO-750	FVNP-750
	OIL	DUAL FUEL - LP/NG
Heat Capacity	750,000 btuh	750,000 btuh
Temperature Rise	130°F	130°F
Fuel Consumption	5.2 Gal./hr	37 LBS./hr - 806 CFH
Heat Exchanger	16g 304 S/S	16g 304 S/S
Fan Motor	7.5 HP 7,000 CFM	7.5 HP 7,000 CFM
Fan Control	VFD Standard	VFD Standard
Ignition	Direct Spark Ignition	Direct Spark Ignition
Nozzle Size/Gas Pressure	4.50 x 60W @ 160 PSI	Propane - 1.5" W.C. Natural Gas - 2.2" W.C.
Air Outlet	Two 16" Dia.	Two 16" Dia.
Air Inlet	Two 16" Dia.	Two 16" Dia.
Power Requirements	1 PH / 208-230V or 3 PH / 208-230V	1 PH / 208-230V or 3 PH / 208-230V
Amperage Draw	18 AMP @ 1 PH 14 AMP @ 3 PH	18 AMP @ 1 PH 14 AMP @ 3 PH
Approvals	cETLus	cETLus
L x W x H	98" x 36" x 61"	98" x 36" x 61"
Weight	1,390 LBS	1,390 LBS

INDIRECT FIRED HEATERS



Riello burners used exclusively for both oil and LP / NG models. "Plug and Play" burner assembly kit sold separately to convert heater from oil to LP / NG.

Oil units include "Tiger loop" system which allows for single fuel line supply and de-aeration of fuel line providing optimum burner performance.

Equipped with a VFD control allows for "soft start", regulating the fan speed at start up and shut down. It also provides overload motor protection and voltage management

STANDARD EQUIPMENT:

Both 1 phase 208-230v and 3 phase 208-230v power supply connections are included on all models. Waterproof, emergency disconnect provided.

Recessed control panel protects the indicator lights, switches and disconnects, indicator lights show proper burner operations and possible burner lockout.

The reverse inclined blower, powered by the 7.5hp TEFC motor, allows for outlet ducting over 100ft. This pressurized design provides even airflow from both duct outlets.

Proven Flagro heat exchanger design includes fully welded, 16g 304 series stainless steel



POWERFUL, FLEXIBLE AND DEPENDABLE HEAT FOR ANY JOB

The FV-750 indirect fired heater provides 130° F. temperature rise at 7000cfm. Return air duct inlet allows for recirculation of warm inside air and/or pressurization of building as desired. Single phase or three phase power supply operates both burner and fan motor. Includes integrated fork lift pockets and lift points. Easy access to burner, fuel lines and electrical controls. Approved for indoor and outdoor installations.



16" x 25ft Hitex Outlet Ducting
16" x 25ft Ventflex Inlet Ducting



Remote Thermostat Control
c/w 25ft Cord

SELF CONTAINED HEATER TRAILERS

PORTABLE HEAT AND POWER ANYWHERE YOU NEED IT



FVO-1000TR/FVO-1100TR

- Two available models, FVO-1000TR or FVO-1100TR
- 1000TR; Includes 2 x Flagro FVOHC-400 Indirect Fired Heating Units
- 1100TR; Includes 2 x Flagro FVO-400RC Indirect Fired Heating Units with Full Recirculation.
- Can be equipped with 4 x 12" or 2 x 16" Duct Outlets
- 2 x 3500 LBS Dual Axle, 4 x 15" Galvanized Rims with Radial Tires

FVO-400TRC

- Includes 1 x Flagro FVO-400RC Indirect Fired heating Unit
- Can be equipped with 2 x 12" or 1 x 16" Duct Outlets
- 1 x 5000 LBS Single Axle, 2 x 15" Galvanized Rims with Radial Tires



STANDARD FEATURES

300 US Gal. TC approved Steel Diesel Tank with Full Fuel Containment
Yanmar or Kubota 8KW / Stamford Newage Combo Genset
Solid Steel Welded Channel Frame and Floor
Electric Emergency Second Axle Brakes
Safety Chains, Ball or Pintle Hitch & Jack

SELF CONTAINED HEATER TRAILERS

ENGINE:	Yanmar or Kubota Liquid Cooled Diesel
	Electric Start/Glow Plugs Battery Charging alternator Heavy duty radiator and Air Cleaner
HEATERS:	
FVO-1000TR	2 X FVOHC-400 Flagro Indirect Fired Heaters
FVO-1100TR	2 X FVO-400RC Flagro Indirect Fired Heaters with Recirculation
FVO-400TRC	1 X FVO-400RC Flagro Indirect Fired Heaters with Recirculation
FUEL CONSUMPTION:	
FVO-1000TR	Engine: 1.08 GPH at full load
FVO-1100TR	Heaters: 400,000 BTU x 2 @ 2.75 GPH 44 hour run time before refuelling
FVO-400TRC	Engine: 1.08 GPH at full load Heater: 400,000 BTU x 1 @ 2.75 GPH 78 hour run time before refuelling
GENERATOR:	Stamford Newage Generator
FVO-1000TR	Single Phase - 120 V
FVO-1100TR	Instrument Panel includes keyed ignition and hour meter
FVO-400TRC	8 kw @ 1800 rpm (14HP)
FUEL TANK:	
	300 US Gallons TC Approved Steel Tank 2" Fuel inlet nozzle mounted at the side of the trailer for ground access
DIMENSIONS:	
FVO-1000TR	Length - 15ft, Width - 7ft-4in, Height - 7ft Weight - 4300 LBS (empty)
FVO-1100TR	Length - 15ft, Width - 7ft-4in, Height - 7ft Weight - 4300 LBS (empty)
FVO-400TRC	Length - 12ft, Width - 7ft-4in, Height - 7ft Weight - 2900 LBS (empty)
APPROVALS:	CSA & ESA approved DOT approved trailer



NORTH AMERICAN MADE



www.flagro.ca

DUCTABLE DIRECT FIRED HEATERS



THC-175DF & THC-85



THC-355CDF

MODEL	THC-85	THC-175DF	THC-355CDF
Propane	THC-85P	THC-175DF - dual fuel	THC-355CDF - dual fuel
Natural Gas	THC-85N	THC-175DF - dual fuel	THC-355CDF - dual fuel
Fuel Consumption	3.8 lbs/hr - 82 CFH	8 lbs/hr - 175 CFH	16 lbs/hr - 307 CFH
Ignition System	Direct Spark	Direct Spark	Direct Spark
Heat Capacity	85,000 btuh	175,000 btuh	330,000 btuh
Heated Air Output	450 CFM	1,200 CFM	2,600 CFM
Power Requirement	115V/60Hz/1ph/15amp	115V/60Hz/1ph/15amp	115V/60Hz/1ph/15amp
Thermostat	20ft Cord for remote location	20ft Cord for remote location	20ft Cord for remote location
Shipping Weight	135 lbs	193 lbs	390 lbs
Net Weight	122 lbs	164 lbs	345 lbs
Net Weight	122 lbs	164 lbs	345 lbs
L x W x H	31" x 22" x 27"	35" x 24" x 33"	47" x 32" x 42"



**THCP-DD and
THCP-WD12**



**THCP-DD
THCP-DD18**



**THCP-WD12
THCP-WD18**



**THCP-HD85
THCP-HD175**

IDEAL FOR TENT AND CONSTRUCTION HEATING APPLICATIONS

Thermostatically controlled for a consistent, comfortable environment
 Operates as both a fresh air circulator or a heater at the touch of a switch
 Ducting options allow for heat to be directed to specific areas
 Quiet, efficient, easy to set-up, rugged design

ELECTRIC HEATERS



FLE-60RC



FLE-60RC
with 20" Duct and Adapter

HEAT SETTING	BTUH	CFM	TEMPERATURE RISE	NOISE RATING
60 kw	205,000 btuh	5200 cfm	151°F/66°C	67 db
40 kw	137,000 btuh	4700 cfm	100°F/38°C	63 db
20 kw	68,000 btuh	4500 cfm	52°F/11°C	63 db
Fan Only		4700 cfm		63 db

ELECTRICAL SUPPLY	480 volt or 575 volt models available
STATIC PRESSURE	3" W.C.
MOTOR/BLOWER	1 1/2 HP - Direct Drive
DUAL AIR INLET OUTLET	16" x 16" inlet (20" Ductable Return) 18" x 13" outlet (20" Ductable Supply)
L x W x H	32" x 48" x 25.5"
WEIGHT	290 lbs
OPTIONS: FLE-HDG20 FLE-HDV20 FV-THB	20" x 25ft Hitex Outlet Ducting 20" x 25ft Ventflex Inlet Ducting Thermostat c/w 25ft cord

QUIET, FLEXIBLE AND DEPENDABLE ELECTRIC HEAT FOR ANY JOB

Filter less system with a powerful backward incline blower that provides high airflow & ultra-quiet operation. Fan speed inverter control provides optimum temperature rise by adjusting blower output at each heat setting.

Convenient colour coded cam lock power connections for easy installation.

Simplified control panel design allows for easy operations at 60 kw, 40 kw & 20 kw inputs.

Air flow and high temperature indicator lights incorporated on recessed control panel.

Optional remote thermostat c/w 25ft cord.

**FLE-150RC**

HEAT SETTING	BTUH	CFM	TEMPERATURE RISE	NOISE RATING
150 kw	512,000 btuh	7300 cfm	120°F/49°C	83 db
90 kw	307,000 btuh	6700 cfm	88°F/31°C	81 db
60 kw	205,000 btuh	5400 cfm	56°F/13°C	76 db
Fan Only		7900 cfm		85 db

ELECTRICAL SUPPLY	480 volt or 575 volt models available
STATIC PRESSURE	3" W.C.
MOTOR/BLOWER	7 1/2 HP - Direct Drive
AIR INLET	20" Ductable Return
OUTLET	20" Ductable Supply
L x W x H	66" x 36" x 40"
WEIGHT	560 lbs
APPROVAL	Approved for Indoor use only - Canada & USA

QUIET, FLEXIBLE AND DEPENDABLE ELECTRIC HEAT FOR ANY JOB

Fan speed inverter control provides optimum temperature rise by adjusting blower output at each heat setting.

Convenient colour coded cam lock power connections for easy installation.

Simplified control panel design allows for easy operations at multiple inputs.

Air flow and high temperature indicator lights incorporated on recessed control panel.

Optional remote thermostat c/w 25ft cord.

DIRECT FIRED CONSTRUCTION HEATERS



F-150

Adjustable heat from 50,000 to 150,000 btuh



F-375

Adjustable heat from 220,000 to 375,000 btuh

MODEL	F-150	F-375
Fuel	Vapor Propane	Vapor Propane
Heat Capacity	Max 150,000 btuh Min 50,000 btuh	375,000 btuh 220,000 btuh
Manifold Pressure	2-1/4 to 20 PSI	7 to 20 PSI
Hose Length	20ft is standard	20ft is standard
Regulator With POL	Adjustable to 20 PSI max.	Adjustable to 20 PSI max.
Approval	UL of Canada Listed	UL of Canada Listed
Weight	32 lbs	65 lbs
L x W x H	30" x 11.25" x 14"	42" x 17" x 22"
Air Outlet	8" Diameter	13" Diameter
Fuel Consumption	2.3 to 6.9 lbs/hr	10.1 to 17.3 lbs/hr
Ignition	Manual	Manual
Optional Fan	N/A	800 CFM fan assembly (120V)



2001-S2
2 cylinder manifold



2001-S3
3 cylinder manifold

DEPENDABLE HEAT WHENEVER YOU NEED IT

Engineered for simple operation and minimal servicing

Light and highly portable

Stackable for easy transportation and storage

Designed to operate without a fan or electricity

Temporary heat for use during construction and maintenance



ALL THE HEAT YOU NEED

Thermostatically controlled
 Heavy duty frame under 50 pounds
 Recessed controls to eliminate damage
 Stackable for easy storage and transportation
 Improved maintenance accessibility
 Your choice of natural gas or propane

FRHR-100N



MODEL	FRHR-100N (Natural Gas)	FRHR-100P (Propane)
Heat Capacity	Natural Gas 90,000 btuh	Propane 90,000 btuh
Manifold Pressure	Natural Gas 7.0" W.C.	Propane 10.0" W.C.
Fuel Consumption	100 CFH	5 lbs/hr
Approval Weight	cETLus - Intertek 47 lbs	cETLus - Intertek 47 lbs
L x W x H	16" x 16" x 35"	16" x 16" x 35"
Ignition	Piezo Ignition	Piezo Ignition
Standard	Thermostat Control	Thermostat Control
Inlet	3/8" FNPT	3/8" FNPT



FRHP-101

Hose Assembly



MAN-E1

Single Manifold



MAN-E2

Dual Manifold

DUAL FUEL CONSTRUCTION HEATERS



F-400T



F-1500T

MODEL	F-400T	F-1000T	F-1500T
Fuel	Propane or Natural Gas	Propane or Natural Gas	Propane or Natural Gas
BTU/hr	400,000 btuh	1,000,000 btuh	1,500,000 btuh
Low Fire BTU/hr	N/A	N/A	650,000 btuh
Fuel Consumption			
Propane	18.5 lbs/hr	46 lbs/hr	69 lbs/hr
Natural Gas	380 CFH	952 CFH	1428 CFH
Inlet Pressure			
Propane	11" W.C. MAX	11" W.C. MAX	11" W.C. MAX
Natural Gas	4.0" W.C. MIN	10" W.C. MIN	10" W.C. MIN
Power Requirement	115V/60Hz/1PH/15Amp	115V/60Hz/1PH/20Amp	115V/60Hz/1PH/20Amp
Fan Motor	1/3 HP	1 HP	1 HP
Air Circulation	2,000 CFM	7,000 CFM	7,000 CFM
Ignition	Direct Spark Control	Direct Spark Control	Direct Spark Control
Thermostat Control	Yes	Yes	Yes
L x W x H	48" x 22" x 24"	61" x 29" x 38"	61" x 29" x 38"
Air Outlet	15" Diameter	26" Diameter	26" Diameter
Weight	90 lbs	356 lbs	360 lbs

REQUIRED EQUIPMENT FOR HEATER INSTALLATIONS

Recommended For Model No.	Second Stage Regulator*	Typical Hose Assembly
F-400T	B42R0.75 (3/4" NPT)	S52180-12 3/4" x 15ft Hose Assembly
F-1000T	B42R1.25 (1-1/4" NPT)	S54180-20 1 1/4" x 15ft Hose Assembly
F-1500T	B31R1.25 (1-1/4" NPT)	S54180-20 1 1/4" x 15ft Hose Assembly

Note: *Regulator sizing assumes job site inlet pressure of 2-10 PSI.
 **Custom hose assemblies are available upon request.



Ventless regulator available on request





AMF-50



AM-140

MODEL	AMF-50	AM-140
Air Circulation	5,000 CFM	14,000 CFM
Fan Blade	20" Diameter	42" Diameter
Dimensions	23" W x 25" H x 16" D	24" W x 48" H x 24" D
Weight	69 lbs	200 lbs
Power Supply	1/2 HP - 120V/15 Amp	3/4 HP - 120V/15 Amp
Application	Construction, Industrial, Agricultural	Construction, Industrial, Agricultural

REDUCE YOUR HEATING COSTS BY INCREASING AIR CIRCULATION

Year round job-site circulation
Durable construction
Ideal for construction sites, factories, mills, barns, warehouses. etc.
Explosion proof motor option available

PROPANE TORCH KITS



FT15-250

PRE-ASSEMBLED TORCH, HOSE & REGULATOR KITS

MODEL	Description
FT15-100	FT-100, 15ft hose and regulator (25,000 to 80,000 BTUs)
FT15-250	FT-250, 15ft hose and regulator (90,000 to 300,000 BTUs)
FT15-500	FT-500, 15ft hose and regulator (110,000 to 410,000 BTUs)
Other hose lengths available	

TORCHES EQUIPPED WITH 100% SAFETY SHUT-OFF SYSTEM

MODEL	Description
FT15-250SV	Kit complete with FT-250SV Torch, 15ft hose and regulator
FT15-500SV	Kit complete with FT-500SV Torch, 15ft hose and regulator
FT-250SV	Torch only (90,000 to 300,000 BTUs)
FT-500SV	Torch only (110,000 to 410,000 BTUs)



FT-250SV

INSTANT HEAT WHEN YOU NEED IT

Provides instant heat for many applications
Heavy duty design and construction

Adjustable heat to suit your many needs:

- asphalt melting
- stress relieving
- drying roofs
- thawing/ice melting
- weed burning
- preheating for welding



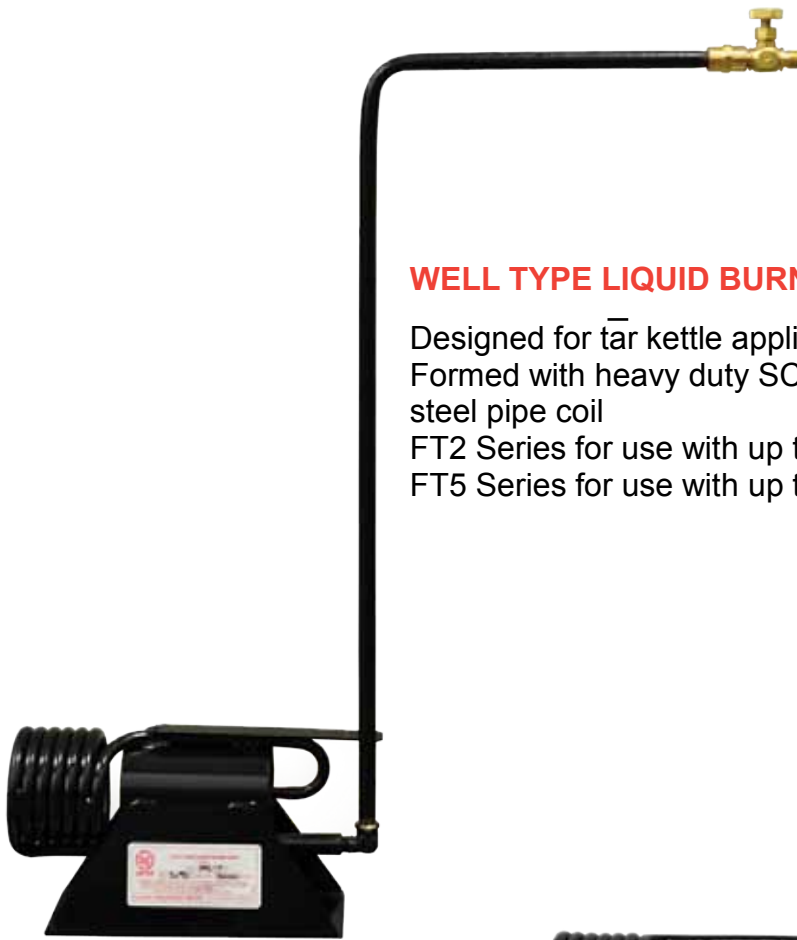
1230VK1 Fitted
Regulator Kit



34180-4
15ft Hose
Assembly



LIQUID TORCHES AND BURNERS



WELL TYPE LIQUID BURNERS

Designed for tar kettle applications
Formed with heavy duty SCH 80
steel pipe coil
FT2 Series for use with up to 4" flues
FT5 Series for use with up to 6" flues

MODEL	BTU
FT2-3	300,000
FT2-5	500,000
FT2-7	700,000
FT2-9	900,000
FT5-10	1,000,000
FT5-15	1,500,000
FT5-20	2,000,000



STRAIGHT LIQUID BURNERS

Formed with heavy duty SCH 80 steel pipe coil
Used as asphalt melters, crop dryers and high
pressure water heaters

MODEL	BTU
FT1-3	300,000
FT1-5	500,000
FT1-7	700,000
FT1-9	900,000
FT4-10	1,000,000
FT4-15	1,500,000
FT4-20	2,000,000



LIQUID TORCHES

Ideal torch where high outlet is required
Allows full use of fuel in propane cylinder
FT6 Series provided with 2 ft handle
FT8 Series provided with 4 ft handle

MODEL	BTU
FT6-3	300,000
FT6-5	500,000
FT6-7	700,000
FT6-9	900,000
FT8-10	1,000,000
FT8-15	1,500,000
FT8-20	2,000,000



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