

# TurboDraft™

## 2½" Compact Fire Eductor Model TD-250

Lightweight design sets up in minutes with minimal personnel using 2½" and 1½" coupled hose lines

No need for cumbersome hard suction hose

Gain access to static water sources previously unreachable using traditional drafting techniques

Usable in lakes, ponds, streams, rivers, canals, swimming pools, etc.

Generate usable fire flow rates of 260 gpm or more

Suitable for wildland fire fighting operations

Compact design allows for easy storage onboard brush trucks and marine vessels

Interchangeable strainer configurations

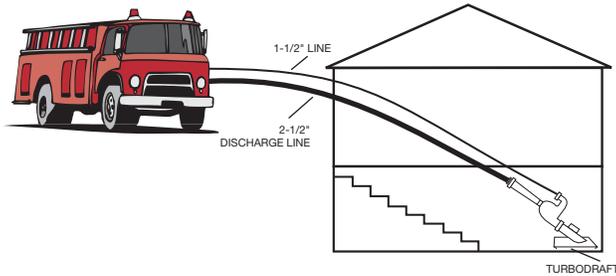
Ideal for emergency dewatering and flood mitigation

- Salvage & Overhaul
- Ships & Watercraft
- Basements
- Below-grade Vaults, Tanks & Vessels



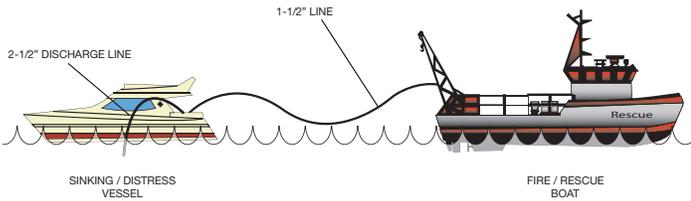
# FIRE FIGHTING APPLICATION CHALLENGES

## Flood mitigation and water transfer



*TurboDraft can also be employed in emergency flood situations. TurboDraft's ability to transfer large volumes of water in a short amount of time makes it a critical piece of equipment for dewatering basements and other low-lying areas where water collects.*

## Marine dewatering



*2 1/2" TurboDraft unit can be utilized to dewater marine units during emergency situations. The unit is submerged into the lowest possible point on the vessel in distress. A 1 1/2" line is pumped from the rescue boat (70 gpm @ 150 psi) to the TurboDraft and a 2 1/2" line is discharged from the TurboDraft over the gunnels of the distressed vessel.*

Distant Water Source Situation <sup>1</sup> for 2 1/2" Unit			
Length of 2 1/2" Hose	Lift	Pump Discharge Pressure	Base Line Fire Flow
50	10	175 psig	264 GPM
	20	175 psig	185 GPM
100	10	180 psig	224 GPM
	20	180 psig	157 GPM
150	10	185 psig	189 GPM
	20	185 psig	128 GPM
200	10	190 psig	173 GPM
	20	190 psig	110 GPM

<sup>1</sup> Theoretical, based on test curves of 9/21/99 and hose friction loss per NFPA® Fire Protection Handbook, 15th Edition, Table 17-7H, actual friction losses may vary depending upon hose and coupling design/manufacture.



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Patent Pending  
TurboDraft™ is a trademark of Schutte & Koerting.



*Model TD-250 TurboDraft Fire Eductor  
outfitted with basement strainer*

Fire Departments are always in need of creative solutions to handle a multitude of emergency situations. Schutte & Koerting's 2 1/2" TurboDraft Fire Eductor (Model TD-250) is designed to assist rural and wildland firefighters in accessing static water sources outside the reach of traditional drafting techniques. Furthermore, the 2 1/2" TurboDraft Fire Eductor is a valuable piece of equipment for dewatering operations during flood emergencies.

The 2 1/2" TurboDraft Fire Eductor is easy to deploy in emergency flood situations such as dewatering basements, truck docks, below grade vaults and tanks as well as marine vessels.

The unit's light weight and compact size, combined with the ability to outfit the eductor with a variety of strainer configurations makes the 2 1/2" TurboDraft Fire Eductor a versatile emergency service tool. The unit requires a standard 1 1/2" coupled hose line delivering approximately 70 gpm at 150 psi. This flow rate creates the Venturi effect; educting over three times this volume as the usable fire flow or dewatering amount. Fitted with the standard barrel strainer, the unit weighs 19 lbs.

