Important: The Separator is only installed between the treatment operatory and the vacuum system input. DO NOT connect the unit to the outlet of any separation tank (dry vacuum system) or liquid ring pump (wet vacuum system).

Introduction
As shown below, a Separator is installed onto either an existing or new dry pump or liquid ring pump vacuum system. The unit is only installed between the treatment operatory output and the vacuum system input. This new installation or modification is to be performed by authorized service personnel using similar quality connection hoses and fittings. All installations must conform to local codes and meet all local, state and/or federal environmental laws and regulations.

Typical Acadia Amalgam Separator Installation Configurations

Acadia Dimension Drawing

ACADIA Weight (empty): 6.80 kg (15 lbs)
Acadia Connection to a VacStar System (Direct pump connection. No Separation Tank.)

Acadia Connection to a STS Pump/CAS Tank Vacuum System (Direct connection to Separation Tank.)

Notes:
1. Bushing used depends on pump installation:
   - Use 1-1/2 in. SPG X 1 in. FNPT for dual VacStar pumps.
   - Use 1-1/2 in. SPG X 3/4 in. FNPT for a single VacStar pump.
2. Dual pump installations use 1 inch hose and fittings, while single pump installations use 3/4 inch hose and fittings.

Acadia Wall Installation

Acadia Floor Installation

Acadia Connection to a VacStar System (Direct pump connection. No Separation Tank.)

ACADIA WALL INSTALLATION - Locate the Acadia on the wall so the input and output of the unit are within 4 feet of vacuum line connection (B.) and vacuum system input (E.) respectively.

ACADIA FLOOR INSTALLATION - Locate the Acadia on the floor so the input and output of the ports of the unit are within 4 feet of vacuum line connection (B.) and vacuum system input (E.).

VACUUM SYSTEM INPUT - Acadia output line connection to the applicable vacuum system. Connect Acadia output port via 6-foot hose, connectors and hardware supplied with the vacuum system.

ELECTRICAL RECEPTACLE - Necessary when using a 12VDC power supply to power the optional Acadia Alert Monitor Module.

INSTALLATION NOTES
A. VACUUM SYSTEM INSTALLATION SPACE - Area used for wet pump installation for VacStar systems. OR Area used for CAS tank installation for STS systems.

B. VACUUM LINE - Recommended sub-floor plumbing vacuum line connection between the operatory and utility room terminated with an 1-1/2 inch FNPT connector. Connect to Acadia input port via supplied 6-foot hose, connectors and hardware.

C. ACADIA WALL INSTALLATION - Locate the Acadia on the wall so the input and output of ports of the unit are within 4 feet of vacuum line connection (B.) and vacuum system input (E.) respectively.

D. ACADIA FLOOR INSTALLATION - Locate the Acadia on the floor so the input and output of the ports of the unit are within 4 feet of vacuum line connection (B.) and vacuum system input (E.). Use Foot installation Kit, P/N A1399.

E. VACUUM SYSTEM INPUT - Acadia output line connection to the applicable vacuum system. Connect Acadia output port via 6-foot hose, connectors and hardware supplied with the vacuum system.

F. ELECTRICAL RECEPTACLE - Necessary when using a 12VDC power supply to power the optional Acadia Alert Monitor Module.

Notes:
1. Bushing used depends on pump installation:
   - Use 1-1/2 in. SPG X 1 in. FNPT for dual VacStar pumps.
   - Use 1-1/2 in. SPG X 3/4 in. FNPT for a single VacStar pump.
2. Dual pump installations use 1 inch hose and fittings, while single pump installations use 3/4 inch hose and fittings.

Typical Acadia Amalgam Separator Utility Room Installation Layout Details