

Project name / location	: -	Tag Number	: 001
Consulting engineer	Kirk in the Hills	Service	: -
Customer	Western Mechanical	PACO Model	: SD4040-125
Customer ref. / PO	:	Quantity	: 1
Quote number	: PEG-ALAN/121412	Quoted By (Sales Office)	: HS Buy Van Associates Inc.
Date last saved	: 12/14/2012 1:38 PM	Quoted By (Sales Engineer)	: Randy Walker

**Suction Diffuser
for P1 & P2**

Construction

Nozzle	Size (in.)	Nozzle Configuration	Pos'n
Inlet	4	-	Top
Outlet	4	-	Side

Difuser Body	: Cast Iron, ASTM-A126, CL B
Hardware	: Steel, ASTM A-283C
Internal Magnet	: -
Strainer	: SS 304, ASTM-A240, 3.5MM Holes
Mesh Grid (Startup strainer)	: SS 304, ASTM-A240, (#20 Mesh)
Strainer Cover	: Cast Iron, ASTM-A126, CL B
O Rings	: EPDM
Coating	: Standard Manufacturers Paint
Construction Code/Part Number	: 96877830

Weights (Approx.)

Estimated Shipping gross weight	: 75.00 lb
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Grundfos Suction Diffusers



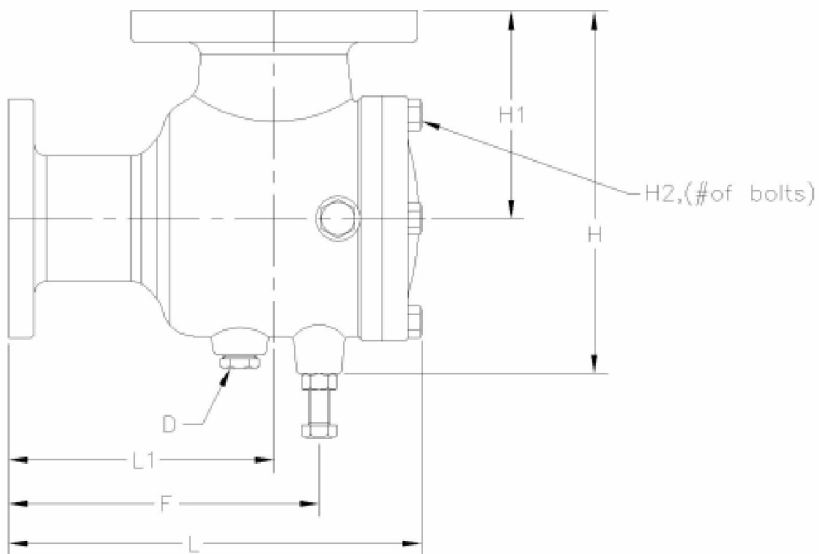
Description

Grundfos Series SD, Suction diffuser provides and ensures a uniform flow pattern to the suction side of the pump ensuring a stable NPSH. Suction diffuser makes it possible to install the pump in a very narrow spacing as no long bends are necessary.

The suction diffuser incorporates a cylindrical strainer preventing impurities from entering the pump. Additional feature includes an adjustable support for mounting.

General Arrangement

Project name / location	Kirk in the Hills	Tag Number	: 001	Suction Diffuser for P1 & P2
Consulting engineer	Western Mechanical	Service	:	
Customer	:	PACO Model	: SD4040-125	
Customer ref. / PO	:	Quantity of pumps	: 1	
Quote number	: PEG-ALAN/121412	Quoted By (Sales Office)	: HS Buy Van Associates Inc.	
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NOT FOR CONSTRUCTION, Unless certified and referenced on order

Units	Inlet Flg-125# ANSI	Outlet Flg-125# ANSI	Strainer Open Area Sq. In.	L	L1	H1	H	H2	F	D-Purge	Weight-Lbs
inches	4	4	78	12.9	8.3	6.5	11.4	6	9.8	0.75	75.00
Conditions of Service				Motor Data							
Flow: -	Fluid: -	HP: -	Encl: -	Phase: -				Efficiency: -			
TDH: -	Temp.: -	RPM: -	Hz: -	Voltage: -				S.F.: -			

Project name / location	Kirk in the Hills	Tag Number	: 002	Combination Valve for P1 & P2
Consulting engineer	Western Mechanical	Service	: -	
Customer	:	PACO Model	: CV40-125	
Customer ref. / PO	:	Quantity	: 1	
Quote number	: PEG-ALAN/121412	Quoted By (Sales Office)	: HS Buy Van Associates Inc.	
Date last saved	: 12/14/2012 1:39 PM	Quoted By (Sales Engineer)	: Randy Walker	

Construction	Grundfos Combination Valves
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Nozzle	Size (in.)	Nozzle Configuration	Pos'n
Inlet	4	125# ANSI flange	Side
Outlet	4	125# ANSI flange	Side

Valve Body	: ASTM A395
Seat Guide	: -
Disc	: Bronze ASTM B124 C37700
Spring	: Stainless Steel, ASTM A240-304
Packing Gland	: Bronze ASTM B124 C37700
Stem Packing	: -
Yoke	: Steel ASTM A283-C
Indicator	: -
Hand wheel	: Ductile iron A395
Construction Code/Part Number	: 96877845

Weights (Approx.)	Description
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Estimated Shipping gross weight	: 102.0 lb
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Description

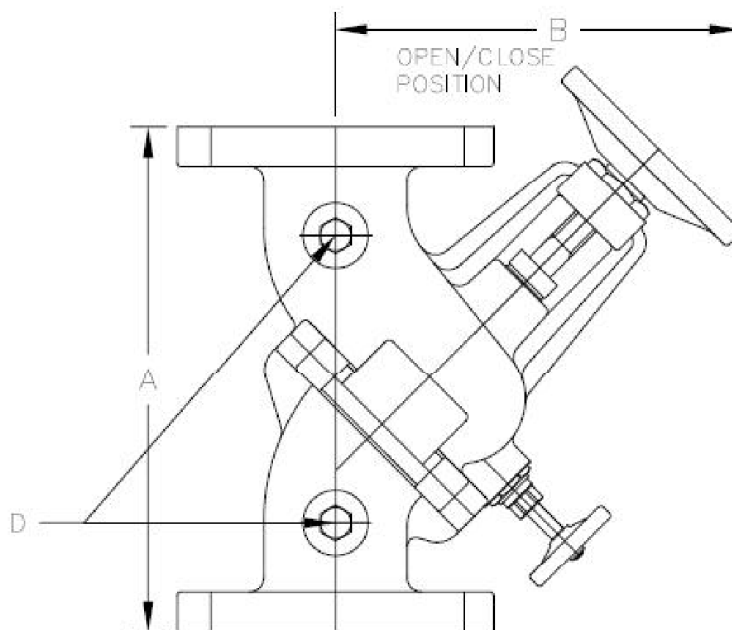
Grundfos Series CV, Combination valve combines three valves in one: shut-off valve, balancing valve, and check valve. The combination valve makes it possible to reduce the overall system pressure drop since fewer individual components are needed when installing a pump.

The combination valve provides the feature of changing the flange orientation to allow 90° pipe connection. Additional feature includes a built-in bypass valve allowing for drainage of water upstream of the check valve.

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General Arrangement

Project name / location	: Kirk in the Hills	Tag Number	: 002
Consulting engineer	: Western Mechanical	Service	: Combination Valve for P1 & P2
Customer	:	PACO Model	: CV40-125
Customer ref. / PO	:	Quantity of pumps	: 1
Quote number	: PEG-ALAN/121412	Quoted By (Sales Office)	: HS Buy Van Associates Inc.
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Units	Inlet Fig-125# ANSI	Outlet Fig-125# ANSI	A	B	D-Purge	Weight-Lbs
inches	4	4	13.24	10.83	0.5	102.0
Conditions of Service			Motor Data			
Flow: -	Fluid: -	HP: -	Encl: -	Phase: -	Efficiency: -	
TDH: -	Temp.: -	RPM: -	Hz: -	Voltage: -	S.F.: -	