

Air Distributor

ADS series - up to 1,000 psi



Product Introduction

Parker's ADS series air distributors are designed to distribute air from the compressor to the actuators on pneumatic Instruments. These distributors are widely used in industrial chemical processing, plastic processing and energy industries and are approved for low pressure applications up to 1,000 psi (threaded end connections) . The air distributor offers complete customer system compatibility that reduces installation time and potential leak paths. The welded construction with non-destructive tested design minimises the number of potential leak paths, rather than fabricating with instrumentation connections with tubing, therefore reducing labour costs.

The air distributors are designed for use with air only and are supplied with a number of ball valves on opposite sides, right side or left side.

Product Features

- Lightweight ball valve design (TLB,DY or TB series ball valves can be selected as required)
- 316/316L stainless steel central pipe body
- 1-1/2" SCH80 centra pipe (For other sizes, please contact Parker)
- Welded body construction
- Flanged and threaded inlet options
- Four support feet welded for wall mounting
- 100% factory tested
- 3.1 Certificate is available

Application

- Air distribution for pneumatic actuation

Markets

- Oil and Gas Offshore
- Oil and Gas Onshore
- Petrochemical
- Chemical
- Power generation
- Plastic processing
- Industrial chemical processing

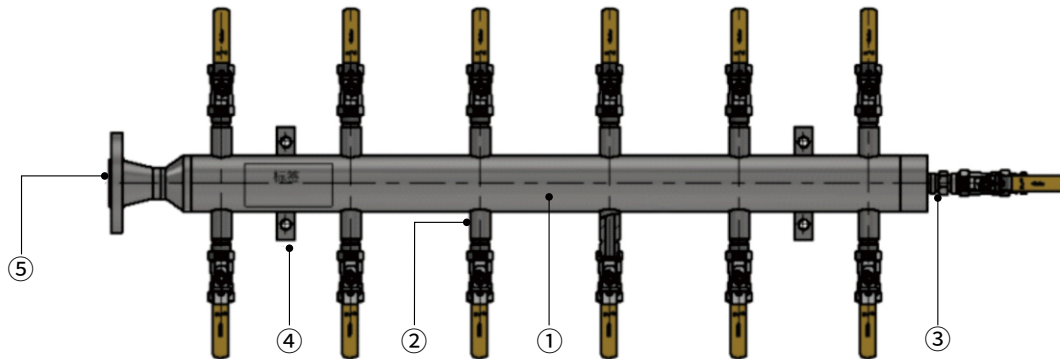


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Materials of Construction

Model shown: ADSA1216F150D8F2BPBVO

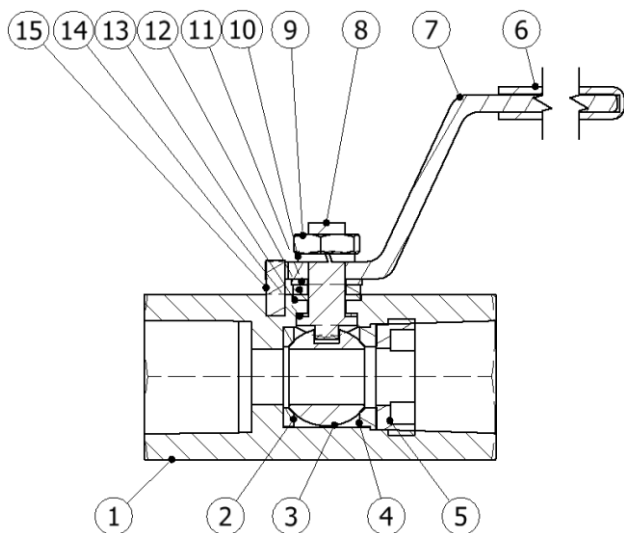
Air Distributor with 12 distribution valve outlets and flanged inlet. Both sides configuration.



Item	Description	Material
1	2"NB PIPE AIR HEADER 12-WAY	316/316L SS
2	MALE WELD STUB	316/316L SS
3	MALE HEXAGON NIPPLE	316/316L SS
4	AIR HEADER FOOT	316 SS
5	FLANGE	ASTM A182 F316/316L

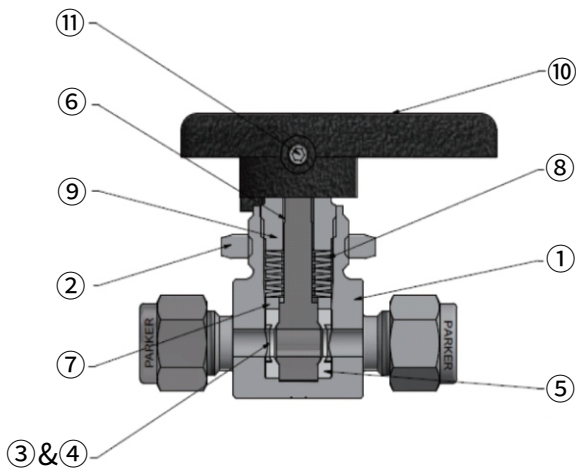
Parker's ADS series air distributors are supplied with a number of ball valves like TLB, DY or TB series ball valves, they can be selected as required and their materials of list are followed.

Parker TLB Series Ball Valve



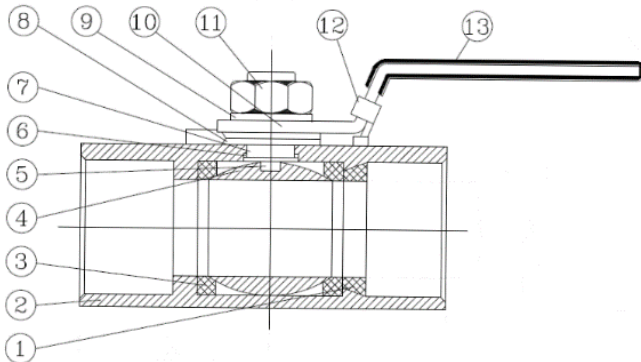
Item	Description	Material
1	Body	ASTM A 479 TYPE 316/316L
2	Front Seat	PTFE
3	Ball	ASTM A 479 TYPE 316
4	Back Seat	PTFE
5	Adjuster	ASTM A 479 TYPE 316
6	Sleeve	Vinyl
7	Handle	316 SS
8	Stem	ASTM A 479 TYPE 316/316L
9	Nut	316 SS
10	Spring Washer	17700 SS
11	Washer	ASTM A 479 TYPE 316
12	Gland	ASTM A 479 TYPE 316
13	Upper Packing	PTFE
14	Lower Packing	PTFE
15	Spin	316 SS

Parker TB Series Ball Valves



Item	Description	Material
1	Valve Body	AST A479 TYPE 316
2	Panel Nut	316 Stainless Steel
3	Side Ring	AST A479 TYPE 316
4	Side Disc	AST A479 TYPE 316
5	Packing	Modified PTFE
6	Stem	AST A479 TYPE 316
7	Gland	AST A479 TYPE 316
8	Springs	Stainless Steel
9	Packing Nut	AST A479 TYPE 316
10	Handle	Nylon 6/6 with powdered metal 300series SS insert
11	Set Screw	Stainless Steel

Parker DY Series 1-Piece Ball Valves



Item	Part	Material
1	Insert	CF8M
2	Body	CF8M
3	Seat	PTFE
4	Ball	SS 316
5	Stem	SS 316
6	Thrust Washer	PTFE
7	Stem Packing	PTFE
8	Gland Washer	SS 304
9	Washer	SS 304
10	Handle	SS 304
11	Nut Stopper	SS 304
12	Locking Device	SS 304
13	Sleeve	Plastic

How to Order

The correct part number is easily derived from the following number sequence.

ADS	A	12	8	F150	D	8	F
Series	Valve Configuration	Number of Distribution Valve Outlets	Inlet Size	Inlet Connection	Drain Valve Series (Ball Valve)	Drain Valve Outlet Size	Drain Valve Outlet Connection
ADS	A- Both Sides R- Right Side L- Left Side	Insert Number From 4-20*	8- 1/2" 12- 3/4" 16- 1"	F150- Flanged 150LB Raised Face F300- Flanged 300LB Raised Face N- Female NPT K- Female BSPT R- Female BSPP	L- TLB Series	8- 1/2"	F- Female NPT A- A-LOK® Z- CPI™
					D- DY Series	4- 1/4" 6- 3/8" 8- 1/2" 12- 3/4"	F- Female NPT K- Female BSPT R- Female BSPP
						8- 1/2"	A- A-LOK® Z- CPI™
					T- TB Series	4- 1/4" 6- 3/8" 8- 1/2"	F- Female NPT A- A-LOK® Z- CPI™

2			BVO
Distribution Valve Series (Ball Valve)	Distribution Valve Outlet Size	Distribution Valve Outlet Connection	Drain Options
2- Same as Drain Valve Series, Outlet Size and Outlet Connection			BVO- Ball Valve Outlet BPBVO- Ball Valve Plugged Outlet BP- Plugged Drain CP- Plugged Distribution Outlets
L- TLB Series	8- 1/2"	F- Female NPT A- A-LOK® Z- CPI™	
D- DY Series	4- 1/4" 6- 3/8" 8- 1/2" 12- 3/4"	F- Female NPT K- Female BSPT R- Female BSPP	
	8- 1/2"	A- A-LOK® Z- CPI™	
T- TB Series	4- 1/4" 6- 3/8" 8- 1/2"	F- Female NPT A- A-LOK® Z- CPI™	

* Max. 10 valves on each side.

Example:

ADSA128F150D8F2BVO Describes an ADS series air distributor with both sides valve configuration, 12 distribution valve outlets, 1/2" 150LB flanged raised face inlet connection, drain valve and distribution valves are DY series ball valves, drain valve outlet and distribution valve outlets are all 1/2 female NPT and ball valve drain outlet.

ADSA128F150D8FL8ABVO Describes an ADS series air distributor with both sides valve configuration, 12 distribution valve outlets, 1/2" 150LB flanged raised face inlet connection, DY series ball valve as drain valve, 1/2 female NPT drain valve outlet, TLB series ball valve as distribution valve, 1/2 A-LOK® distribution valve outlets and ball valve drain outlet.



WARNING USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

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