



Air Distribution Manifolds



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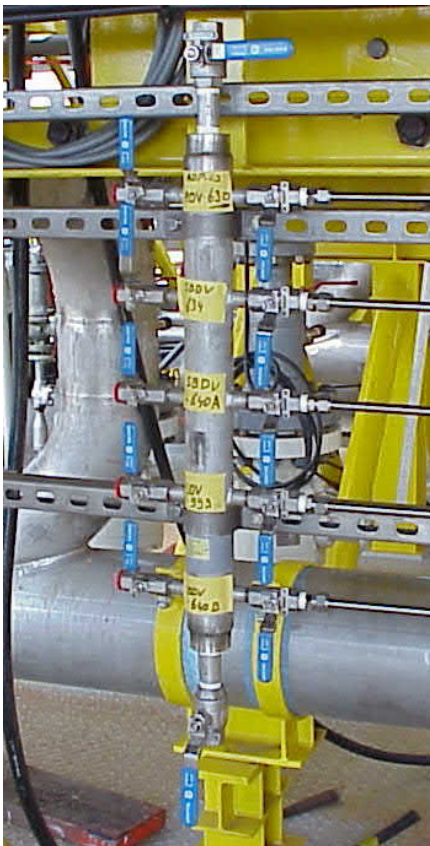
ASTAVA Air Distribution Manifolds

This section of our product catalogue gives a complete overview of our range of Air Distribution Manifolds (ADM), so called Air Headers.

The purpose of the ADM is to distribute air coming from a central compressor to the different air operated devices on a plant or facility. The ADM is applied in all kinds of industries, from oil up to food processing.

The ASTAVA solution for these applications is engineered to integrate the different parts as much as possible with the use of as less space as possible. All pressure retaining parts are manufactured out of AISI 316L material and can be used as well in on-shore as in off-shore conditions. The closing devices are **ball valve or needle** type and are integrated in the body of the ADM. The operating devices are positioned in such a way that they are easy to operate without extending the length of the complete unit. All this results in major space saving compared to the conventional ADM.

The differences in ADM between ball valve and needle solution are shown in the following photo's:



Conventional
Air Distribution manifold
Length: 1.10 mtrs
Width: 16 cm.



Astava
Air Distribution manifold
Length: 30 cm
Width: 17 cm.



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As you can see in the above complete length is less than a third of the size of a conventional hook-up. Especially on off-shore platforms and locations where space is an important issue, the ASTAVA engineered and manufactured solution can fulfill your needs.

Several options can be applied, for example:

Inlet connections size:	1/2", 3/4", 1", 1 1/2", 2"
Outlet connection size:	1/4", 1/2", 3/4"
Connections type inlet/outlet:	G, NPT, ISO parallel, BSP, Flanged, SW, BW
Packing material	VITON O-ring 90 shore PTFE (TEFLON) GRAFOIL
Rating	0 up to 690 barg 0 up to 10.000 psi
Materials	AISI 316L Others on request
Design codes	ASME/ANSI DIN BS NACE MR-01-75 ASTM

As a standard Astava manufactures all ADM models out of material AISI 316 (L). This material can be used in almost all conditions as well on-shore as off-shore. To give an overview of all standard solutions which Astava supplies a selection matrix is enclosed on the following page.

Behind this page several example drawings and pictures are attached. If you require further technical background or additional information, do not hesitate to contact Astava at the following address:

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Matrix 1 : How to order an Air Distribution Manifold

Model code	
8	Air distribution manifolds AISI 316
Number of outlets	
02	2 outlet connections
04	4 outlet connections
06	6 outlet connections
08	8 outlet connections
10	10 outlet connections
....	12 outlet connections
20	20 outlet connections (only available with 1/4" outlet connections)
Inlet size	
/1	Inlet size: ¼-18 NPT (F)
/2	Inlet size: ½-14 NPT (F)
/3	Inlet size: ¾-14 NPT (F)
/4	Inlet size: 1-11.5 NPT (F)
/5	Inlet size: G ¼
/6	Inlet size: G ½
/7	Inlet size: G ¾
/8	Inlet size: G 1
Outlet size	
1	Outlet size: ¼-18 NPT (F)
2	Outlet size: ½-14 NPT (F)
3	Outlet size: ¾-14 NPT (F)
4	Outlet size: 1-11.5 NPT (F)
5	Outlet size: G ¼
6	Outlet size: G ½
7	Outlet size: G ¾
Vent size	
0	Vent size: none
1	Vent size: ¼-18 NPT (F)
2	Vent size: ½-14 NPT (F)
3	Vent size: ¾-14 NPT (F)
4	Vent size: 1-11.5 NPT (F)
5	Vent size: G ¼
6	Vent size: G ½
7	Vent size: G ¾
Type of valve on outlets	
-B01	Ball valve with PTFE stempacking
-01	Needle with PTFE Stempacking
-05	Needle with Grafoil stempacking
-06	Needle with Viton stempacking
Options	
0	No options
+103-06	Astava isolate valve assembled in vent connection
+1" 150 LBS RF	1" Flanged inlet connection 150 lbs RF
+1" 300 LBS RF	1" Flanged inlet connection 300 lbs RF
+906	Bracket for wall
+906/P	Bracket for 2" pipe
+50.900	1/2" NPT blind plug in AISI 316L
+50.901	1/4" NPT blind plug AISI 316L
xx	to be defined