

3 Way • 3 Port

NVF110 Series

Direct Solenoid Operated



Cv 0.055 (0~100 PSI); 0.05 (0 ~150 PSI)
Port Size 1/8" NPTF (Standard)
High Speed Response Time - 8mSec.
Normally Closed

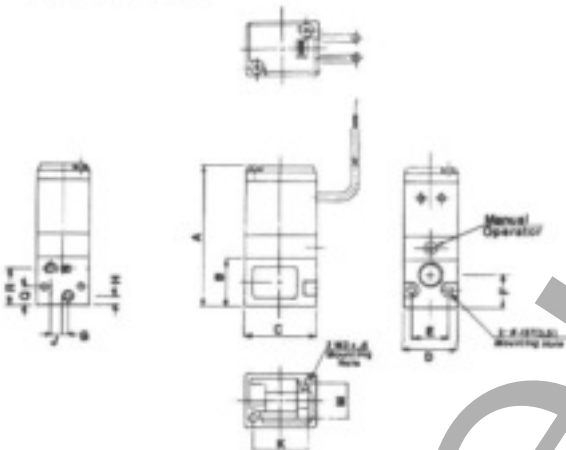
SPECIFICATIONS

CHARACTERISTICS	
Port Sizes (NPTF)	10-32 P&E; 10-32 or 1/8" A
Operating Pressure	0 - 100 PSI; 0 - 150 PSI (H)
Proof Pressure	225 PSIG (15 Kg/cm ²)
Operating Temperature	14-140°F (-10 to +60°C)
Power Consumption	AC Inrush 5.6 VA (50 Hz), 5.0 VA (60 Hz) Holding 3.4 VA (50 Hz), 2.3 VA (60 Hz)
	DC 1.8 W
C _v	0.055, 0.05 (H Type)
Body Material	Aluminum Die Cast
Cycle Rate	25 CPS
Response Time	Less than 8m Sec. (AC-DC)
Actuation	N.C. Only



The Series NVF110 is a 3-way direct solenoid operated valve which is designed such that when energized, the solenoid plunger is pulled off a "seat" allowing air to flow to the output port. When the solenoid is de-energized the plunger returns and air from the "A" port is diverted to the exhaust port.

NVF 110-0-0G-01T

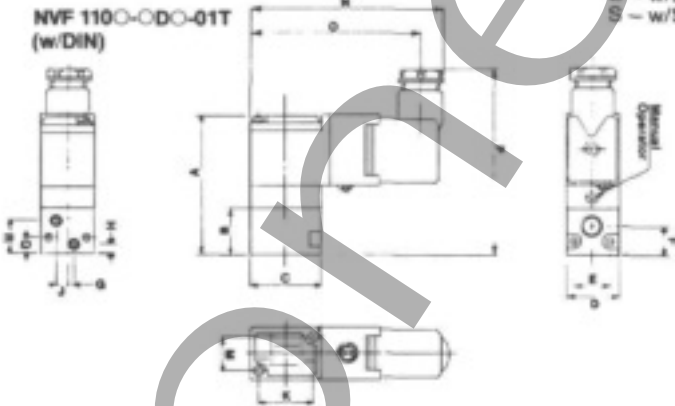


HOW TO ORDER

NVF110 H - 5 D Z 0 - 01T - F

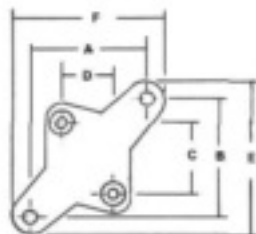
- Operating Pressure
 - _ - 0 - 100 psi (C_v 0.055)
 - * H - 0 - 150 psi (C_v 0.05)
- Solenoid Type
 - * 1 - 100 VAC
 - * 2 - 200 VAC
 - 3 - 110 VAC
 - 4 - 220 VAC
 - 5 - 24 VDC
 - 6 - 12 VDC
 - 9 - OTHERS
- Electrical Connection
 - G - 12" Lead (Std.)
 - D - DIN
 - * E - Terminal
 - * T - Conduit Terminal
 - * H - 24" Lead
- Lamp and Surge Protection
 - Z - w/Lamp/Surge Protection
 - S - w/Surge Protection Only
- Options
 - _ - None
 - F - Foot Bracket
 - _ - R (PT), Metric*
 - T - NPTF (Std.)
 - N - NPT*
 - F - PF*
- Porting
 - 01 - 1/8" (A) (Std.)
 - † M5 - NOM 10-32
- Manual Override
 - _ - Recessed, Non-locking (Std.)
 - B - Locking
 - * Special Order option
 - † Consult factory for availability

NVF 110-0-0D-01T
(w/DIN)



BRACKET (Suffix "F")

Part #AXT625-10A



DIMENSIONS

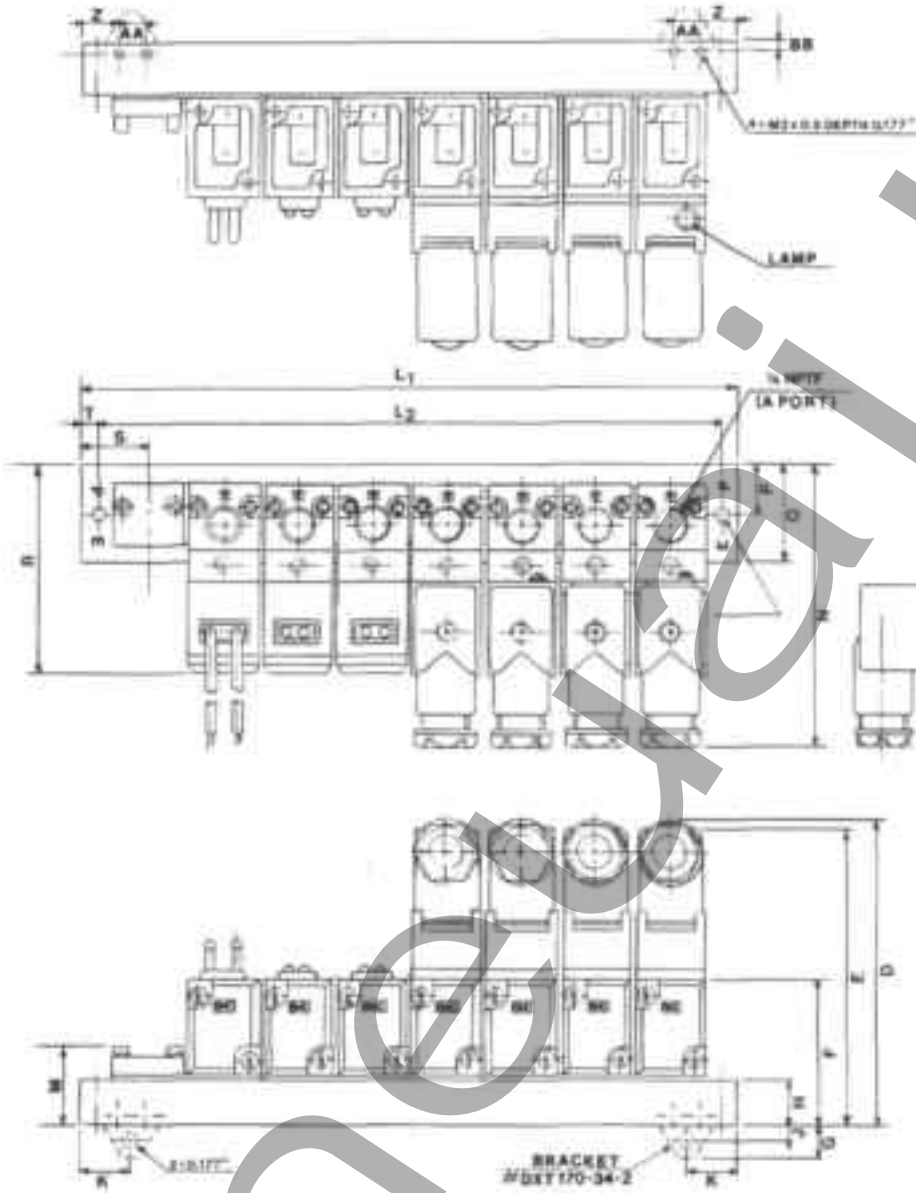
A	B	C	D	E	F
1.35	1.34	0.81	0.83	1.76	1.77
(34.4)	(34.1)	(15.4)	(21)	(44.7)	(44.9)

Millimeters in Parentheses

DIMENSIONS

A	B	C	D	E	F	G	H	J	K	M	N	O	P	Q	R
2.55	0.83	1.18	0.89	0.67	0.53	0.04	0.22	0.24	0.83	0.61	3.17	2.81	3.37	0.31	0.55
(64.7)	(21)	(30)	(22.6)	(17)	(13.5)	(1)	(5.5)	(6)	(21)	(15.4)	(80.5)	(71.5)	(85.5)	(8)	(13.9)

Millimeters in Parentheses



Manifold gaskets: WV100-3-1 (2-sta.)
 WV100-3-2 (3-sta.)
 Mounting screws: AXT624-26
 (included with manifold bar)
 Blank station kit: WV100-02

MANIFOLD DIMENSIONS

No. of Stations	L ₁	L ₂
2	2.00	2.00
3	265.5	265.5
4	3.00	3.00
5	360	360
6	4.00	4.00
7	415.5	415.5
8	5.00	5.00
9	470	470
10	5.00	5.00
11	525.5	525.5
12	6.00	6.00
13	580	580
14	6.00	6.00
15	635.5	635.5
16	7.00	7.00
17	690	690
18	7.00	7.00
19	745.5	745.5
20	8.00	8.00
21	800	800
22	8.00	8.00
23	855.5	855.5
24	9.00	9.00
25	910	910
26	9.00	9.00
27	965.5	965.5
28	10.00	10.00
29	1020	1020
30	10.00	10.00
31	1075.5	1075.5
32	11.00	11.00
33	1130	1130
34	11.00	11.00
35	1185.5	1185.5
36	12.00	12.00
37	1240	1240
38	12.00	12.00
39	1295.5	1295.5
40	13.00	13.00
41	1350	1350
42	13.00	13.00
43	1405.5	1405.5
44	14.00	14.00
45	1460	1460
46	14.00	14.00
47	1515.5	1515.5
48	15.00	15.00
49	1570	1570
50	15.00	15.00
51	1625.5	1625.5
52	16.00	16.00
53	1680	1680
54	16.00	16.00
55	1735.5	1735.5
56	17.00	17.00
57	1790	1790
58	17.00	17.00
59	1845.5	1845.5
60	18.00	18.00
61	1900	1900
62	18.00	18.00
63	1955.5	1955.5
64	19.00	19.00
65	2010	2010
66	19.00	19.00
67	2065.5	2065.5
68	20.00	20.00
69	2120	2120
70	20.00	20.00
71	2175.5	2175.5
72	21.00	21.00
73	2230	2230
74	21.00	21.00
75	2285.5	2285.5
76	22.00	22.00
77	2340	2340
78	22.00	22.00
79	2395.5	2395.5
80	23.00	23.00
81	2450	2450
82	23.00	23.00
83	2505.5	2505.5
84	24.00	24.00
85	2560	2560
86	24.00	24.00
87	2615.5	2615.5
88	25.00	25.00
89	2670	2670
90	25.00	25.00
91	2725.5	2725.5
92	26.00	26.00
93	2780	2780
94	26.00	26.00
95	2835.5	2835.5
96	27.00	27.00
97	2890	2890
98	27.00	27.00
99	2945.5	2945.5
100	28.00	28.00
101	3000	3000
102	28.00	28.00
103	3055.5	3055.5
104	29.00	29.00
105	3110	3110
106	29.00	29.00
107	3165.5	3165.5
108	30.00	30.00
109	3220	3220
110	30.00	30.00
111	3275.5	3275.5
112	31.00	31.00
113	3330	3330
114	31.00	31.00
115	3385.5	3385.5
116	32.00	32.00
117	3440	3440
118	32.00	32.00
119	3495.5	3495.5
120	33.00	33.00
121	3550	3550
122	33.00	33.00
123	3605.5	3605.5
124	34.00	34.00
125	3660	3660
126	34.00	34.00
127	3715.5	3715.5
128	35.00	35.00
129	3770	3770
130	35.00	35.00
131	3825.5	3825.5
132	36.00	36.00
133	3880	3880
134	36.00	36.00
135	3935.5	3935.5
136	37.00	37.00
137	3990	3990
138	37.00	37.00
139	4045.5	4045.5
140	38.00	38.00
141	4100	4100
142	38.00	38.00
143	4155.5	4155.5
144	39.00	39.00
145	4210	4210
146	39.00	39.00
147	4265.5	4265.5
148	40.00	40.00
149	4320	4320
150	40.00	40.00
151	4375.5	4375.5
152	41.00	41.00
153	4430	4430
154	41.00	41.00
155	4485.5	4485.5
156	42.00	42.00
157	4540	4540
158	42.00	42.00
159	4595.5	4595.5
160	43.00	43.00
161	4650	4650
162	43.00	43.00
163	4705.5	4705.5
164	44.00	44.00
165	4760	4760
166	44.00	44.00
167	4815.5	4815.5
168	45.00	45.00
169	4870	4870
170	45.00	45.00
171	4925.5	4925.5
172	46.00	46.00
173	4980	4980
174	46.00	46.00
175	5035.5	5035.5
176	47.00	47.00
177	5090	5090
178	47.00	47.00
179	5145.5	5145.5
180	48.00	48.00
181	5200	5200
182	48.00	48.00
183	5255.5	5255.5
184	49.00	49.00
185	5310	5310
186	49.00	49.00
187	5365.5	5365.5
188	50.00	50.00
189	5420	5420
190	50.00	50.00
191	5475.5	5475.5
192	51.00	51.00
193	5530	5530
194	51.00	51.00
195	5585.5	5585.5
196	52.00	52.00
197	5640	5640
198	52.00	52.00
199	5695.5	5695.5
200	53.00	53.00
201	5750	5750
202	53.00	53.00
203	5805.5	5805.5
204	54.00	54.00
205	5860	5860
206	54.00	54.00
207	5915.5	5915.5
208	55.00	55.00
209	5970	5970
210	55.00	55.00
211	6025.5	6025.5
212	56.00	56.00
213	6080	6080
214	56.00	56.00
215	6135.5	6135.5
216	57.00	57.00
217	6190	6190
218	57.00	57.00
219	6245.5	6245.5
220	58.00	58.00
221	6300	6300
222	58.00	58.00
223	6355.5	6355.5
224	59.00	59.00
225	6410	6410
226	59.00	59.00
227	6465.5	6465.5
228	60.00	60.00
229	6520	6520
230	60.00	60.00
231	6575.5	6575.5
232	61.00	61.00
233	6630	6630
234	61.00	61.00
235	6685.5	6685.5
236	62.00	62.00
237	6740	6740
238	62.00	62.00
239	6795.5	6795.5
240	63.00	63.00
241	6850	6850
242	63.00	63.00
243	6905.5	6905.5
244	64.00	64.00
245	6960	6960
246	64.00	64.00
247	7015.5	7015.5
248	65.00	65.00
249	7070	7070
250	65.00	65.00
251	7125.5	7125.5
252	66.00	66.00
253	7180	7180
254	66.00	66.00
255	7235.5	7235.5
256	67.00	67.00
257	7290	7290
258	67.00	67.00
259	7345.5	7345.5
260	68.00	68.00
261	7400	7400
262	68.00	68.00
263	7455.5	7455.5
264	69.00	69.00
265	7510	7510
266	69.00	69.00
267	7565.5	7565.5
268	70.00	70.00
269	7620	7620
270	70.00	70.00
271	7675.5	7675.5
272	71.00	71.00
273	7730	7730
274	71.00	71.00
275	7785.5	7785.5
276	72.00	72.00
277	7840	7840
278	72.00	72.00
279	7895.5	7895.5
280	73.00	73.00
281	7950	7950
282	73.00	73.00
283	8005.5	8005.5
284	74.00	74.00
285	8060	8060
286	74.00	74.00
287	8115.5	8115.5
288	75.00	75.00
289	8170	8170
290	75.00	75.00
291	8225.5	8225.5
292	76.00	76.00
293	8280	8280
294	76.00	76.00
295	8335.5	8335.5
296	77.00	77.00
297	8390	8390
298	77.00	77.00
299	8445.5	8445.5
300	78.00	78.00
301	8500	8500
302	78.00	78.00
303	8555.5	8555.5
304	79.00	79.00
305	8610	8610
306	79.00	79.00
307	8665.5	8665.5
308	80.00	80.00
309	8720	8720
310	80.00	80.00
311	8775.5	8775.5
312	81.00	81.00
313	8830	8830
314	81.00	81.00
315	8885.5	8885.5
316	82.00	82.00
317	8940	8940
318	82.00	82.00
319	8995.5	8995.5
320	83.00	83.00
321	9050	9050
322	83.00	83.00
323	9105.5	9105.5
324	84.00	84.00
325	9160	9160
326	84.00	84.00
327	9215.5	9215.5
328	85.00	85.00
329	9270	9270
330	85.00	85.00
331	9325.5	9325.5
332	86.00	86.00
333	9380	9380
334	86.00	86.00
335	9435.5	9435.5
336	87.00	87.00
337	9490	9490
338	87.00	87.00
339	9545.5	9545.5
340	88.00	88.00
341	9600	9600
342	88.00	88.00
343	9655.5	9655.5
344	89.00	89.00
345	9710	9710
346	89.00	89.00
347	9765.5	9765.5
348	90.00	90.00
349	9820	9820
350	90.00	90.00
351	9875.5	9875.5
352	91.00	91.00
353	9930	9930
354	91.00	91.00
355	9985.5	9985.5
356	92.00	92.00
357	10040	10040
358	92.00	92.00
359	10095.5	10095.5
360	93.00	93.00
361	10150	10150
362	93.00	93.00
363	10205.5	10205.5
36		