



NAFFCO Listed Fire Pumps





AN INTRODUCTION TO NAFFCO

NAFFCO was founded in Dubai, UAE to become the world's leading producer and supplier of life safety solutions. By recognizing the importance and convenience of having easy access to multiple safety services, we became specialized by offering complete solutions under one roof for all types of high quality firefighting equipment, fire protection systems, fire alarms, addressable emergency systems, security systems, custom-made vehicles such as fire trucks, ambulances, mobile hospitals and airport rescue firefighting vehicles (ARFF).

With the most talented and dedicated employees from around the world, NAFFCO has over 500 passionate engineers and over 5 million square feet of manufacturing facilities. We are currently exporting to over 100 countries worldwide.

Our products have been consistently certified by UL, FM, BSI, LPCB and Global Mark according to the latest International Quality Standard for their strict adherence to ISO 9001 quality management system and certified for ISO 14001 environmental management systems and BS OHSAS 18001 for occupational safety by UL DQS.

Our success is driven by our passion to protect; our vision is to become the world's number one provider of innovative solutions in protecting life, environment and property.



FIRE FIGHTING PUMPS

NAFFCO's UL listed and FM approved fire pumps provide you with a reliable solution for your fire fighting pump needs by combining the stringent quality measures of UL, FM and NFPA standards with our proven experience in the fire protection field. We can offer you a complete package of services starting from engineering

assistance to field start-up and periodic maintenance. Each pump set is tested in our factory, prior to dispatch, as per UL, FM and NFPA standards. These pumps are covered by a warranty of one year subject to standard terms and conditions.

HORIZONTAL SPLIT CASE PUMPS



FEATURES

- Performance characteristics as per NFPA 20
- Complete unit responsibility.
- Complete in-house fabrication capabilities.
- Hydrostatic testing facilities.
- Operation run test as per NFPA 20, UL 448 and FM 1311 requirements.
- Horizontal Split case pumps for capacities from 750 to and 3500 US GPM
- Drivers: Electric motor drive or diesel engine drive.
- Electrical testing capabilities for motors and controllers connected to pump as per NFPA standards.
- Capable to supply additional accessories wherever required.

PUMP CASING: The casing is axially split, which permits removal of the complete rotor without moving either piping or driver. Pumps generating high heads have double volutes to reduce radial forces, ensuring minimal shaft deflection and low bearing loads. Replaceable wear rings protect the casing at the impeller running clearances.

IMPELLER: The closed impeller has double curved vanes. The double suction design gives practically zero axial forces. Each impeller is dynamically balanced according to ISO 1940-1 standard.



BEARINGS: Grease lubricated deep groove ball bearings are provided on both sides.

SHAFT SEAL: Soft-packed stuffing box. Cooling lines are provided for additional cooling of the graphite impregnated type gland packing.

PUMP MODEL NAME ILLUSTRATION

NF	Series Name
S	Split Case
150	Suction Size (mm)
100	Discharge Size (mm)

Approved Fire Pump Models with Ratings

RATED CAPACITY - 300 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-125-230	100 - 149	-	2700	6	5	1
2	NF-S-150-170	102 - 146	-	2700	6	4	1
3	NF-S-125-230	108 - 160	-	2800	6	5	1
4	NF-S-150-170	110 - 157	-	2800	6	4	1
5	NF-S-125-230	116 - 172	-	2900	6	5	1
6	NF-S-150-170	118 - 169	-	2900	6	4	1
7	NF-S-150-170	122 - 175	-	2900	6	4	1
8	NF-S-125-230	120 - 178	-	2950	6	5	1
9	NF-S-125-230	124 - 184	-	3000	6	5	1
10	NF-S-150-170	126 - 181	-	3000	6	4	1
11	NF-S-125-230	132 - 197	-	3100	6	5	1
12	NF-S-150-170	135 - 194	-	3100	6	4	1

RATED CAPACITY - 400 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-125-230	99 - 148	-	2700	6	5	1
2	NF-S-150-170	101 - 143	-	2700	6	4	1
3	NF-S-125-230	107 - 159	-	2800	6	5	1
4	NF-S-150-170	108 - 155	-	2800	6	4	1
5	NF-S-125-230	115 - 171	-	2900	6	5	1
6	NF-S-150-170	116 - 166	-	2900	6	4	1
7	NF-S-150-170	121 - 172	-	2900	6	4	1
8	NF-S-100-80-290	194 - 327	-	2930	4	3	2
9	NF-S-125-230	119 - 177	-	2950	6	5	1
10	NF-S-125-230	123 - 183	-	3000	6	5	1
11	NF-S-150-170	125 - 178	-	3000	6	4	1
12	NF-S-125-230	132 - 195	-	3100	6	5	1
13	NF-S-150-170	134 - 191	-	3100	6	4	1

RATED CAPACITY - 450 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-125-230	99 - 147	-	2700	6	5	1
2	NF-S-125-230	107 - 158	-	2800	6	5	1
3	NF-S-125-230	115 - 170	-	2900	6	5	1
4	NF-S-125-230	119 - 176	-	2950	6	5	1
5	NF-S-125-230	123 - 182	-	3000	6	5	1
6	NF-S-125-230	131 - 195	-	3100	6	5	1

RATED CAPACITY - 500 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-125-230	99 - 146	-	2700	6	5	1
2	NF-S-150-170	99 - 140	-	2700	6	4	1
3	NF-S-250-570	123 - 160	-	2700	10		

Approved Fire Pump Models with Ratings

RATED CAPACITY - 500 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
20	NF-S-125-310	115 - 188	-	2900	5	4	1
21	NF-S-125-310	119 - 195	-	2950	5	4	1
22	NF-S-250-570	163 - 212	-	3100	10	8	1
23	NF-S-125-310	122 - 199	-	2980	5	4	1
24	NF-S-125-310	124 - 202	-	3000	5	4	1
25	NF-SS-150-100	118 - 238	127 - 239	3550	6	4	1

RATED CAPACITY - 750 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-150-170	88 - 129	-	2700	6	4	1
2	NF-S-125-230	97 - 141	-	2700	6	5	1
3	NF-S-250-570	121 - 158	-	2700	10	8	1
4	NF-S-150-170	96 - 140	-	2800	6	4	1
5	NF-S-125-310	103 - 172	-	2900	5	4	1
6	NF-S-125-310	107 - 179	-	2950	5	4	1
7	NF-S-125-310	110 - 183	-	2980	5	4	1
8	NF-S-125-310	111 - 186	-	3000	5	4	1
9	NF-S-200-330	122 - 219	-	2900	8	6	1
10	NF-S-200-330	127 - 227	-	2950	8	6	1
11	NF-S-200-330	130 - 232	-	2980	8	6	1
12	NF-S-200-330	131 - 235	-	3000	8	6	1
13	NF-S-125-230	105 - 152	-	2800	6	5	1
14	NF-S-250-570	130 - 171	-	2800	10	8	1
15	NF-S-125-80	236	236	2900	5	3	1
16	NF-S-150-100	112 - 213	108 - 216	2900	6	4	1
17	NF-S-150-100-375	226 - 276	227 - 276	2900	6	4	1
18	NF-S-100-375	199 - 280	-	2900	6	4	1
19	NF-S-150-170	150 - 152	-	2900	6	4	1
20	NF-S-125-230	113 - 164	-	2900	6	5	1
21	NF-S-250-570	140 - 183	-	2900	10	8	1
22	NF-S-150-170	109 - 158	-	2950	6	4	1
23	NF-S-125-230	117 - 170	-	2950	6	5	1
24	NF-S-250-570	145 - 190	-	2950	10	8	1
25	NF-S-250-570	148 - 194	-	2980	10	8	1
26	NF-S-150-170	113 - 164	-	3000	6	4	1
27	NF-S-125-230	121 - 176	-	3000	6	5	1
28	NF-S-250-570	150 - 196	-	3000	10	8	1
29	NF-S-150-170	122 - 176	-	3100	6	4	1
30	NF-S-125-230	129 - 188	-	3100	6	5	

Approved Fire Pump Models with Ratings

RATED CAPACITY - 1000 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
18	NF-S-250-570	146 - 192	-	2980	10	8	1
19	NF-S-200-335	140 - 182	-	2900	10	8	1
20	NF-S-200-335	145 - 188	-	2950	10	8	1
21	NF-S-200-335	148 - 192	-	2980	10	8	1
22	NF-S-200-335	150 - 195	-	3000	10	8	1
23	NF-S-125-230	115 - 168	-	3000	6	5	1
24	NF-S-250-570	148 - 194	-	3000	10	8	1
25	NF-S-125-230	124 - 180	-	3100	6	5	1
26	NF-S-250-570	158 - 208	-	3100	10	8	1
27	NF-SS-150-570	111 - 234	112 - 232	3550	6	4	1

RATED CAPACITY - 1250 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-250-570	118 - 152	-	2700	10	8	1
2	NF-S-250-570	127 - 164	-	2800	10	8	1
3	NF-S-200-125	137 - 263	134 - 250	2900	8	5	1
4	NF-S-125-365	165 - 278	-	2900	8	5	1
5	NF-S-250-570	137 - 177	-	2900	10	8	1
6	NF-S-250-570	141 - 183	-	2950	10	8	1
7	NF-S-250-570	144 - 187	-	2980	10	8	1
8	NF-S-200-150-305	113 - 180	-	3000	8	6	1
9	NF-S-250-570	146 - 190	-	3000	10	8	1
10	NF-S-250-570	157 - 204	-	3100	10	8	1
11	NF-SS-200-125	-	127 - 214	3550	8	5	1

RATED CAPACITY - 1500 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-150-570	128 - 178	-	1470	8	6	1
2	NF-S-200-660	124 - 148	-	1470	10	8	1
3	NF-S-200-410	123 - 146	-	2100	10	8	1
4	NF-S-250-570	114 - 147	-	2700	10	8	1
5	NF-S-250-570	124 - 160	-	2800	10	8	1
6	NF-S-200-125	130 - 256	121 - 242	2900	8	5	1
7	NF-S-150-290	106 - 155	-	2900	8	6	1
8	NF-S-150-360	150 - 242	-	2900	8	6	1
9	NF-S-250-570	134 - 173	-	2900	10	8	1
10	NF-S-250-570	140 - 179	-	2950	10	8	1
11	NF-S-250-570	143 - 183	-	2980	10	8	1
12	NF-S-200-150-305	106 - 172	-	3000	8	6	1
13	NF-S-200-330	105					

Approved Fire Pump Models with Ratings

RATED CAPACITY - 2000 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
6	NF-S-250-570	114 - 148	-	2800	10	8	1
7	NF-S-150-290	103 - 150	-	2900	8	6	1
8	NF-S-150-360	138 - 234	-	2900	8	6	1
9	NF-S-250-570	123 - 161	-	2900	10	8	1
10	NF-S-250-570	128 - 167	-	2950	10	8	1
11	NF-S-250-570	131 - 171	-	2980	10	8	1
12	NF-S-250-570	133 - 174	-	3000	10	8	1
13	NF-S-250-570	144 - 187	-	3100	10	8	1
14	NF-S-200-335	119 - 162	-	2900	10	8	1
15	NF-S-200-335	124 - 168	-	2950	10	8	1
16	NF-S-200-335	127 - 172	-	2980	10	8	1
17	NF-S-200-335	129 - 174	-	3000	10	8	1

RATED CAPACITY - 2500 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage(s)
1	NF-S-200-660	115 - 142	-	1470	10	8	1
2	NF-S-250-470	106 - 126	-	1470	12	10	1
3	NF-S-200-410	118 - 139	-	2100	10	8	1
4	NF-S-250-570	125 - 154	-	2950	10	8	1
5	NF-S-250-570	128 - 157	-	2980	10	8	1
6	NF-S-250-570	130 - 160	-	3000	10	8	1
7	NF-S-250-570	133 - 173	-	3100	10	8	1

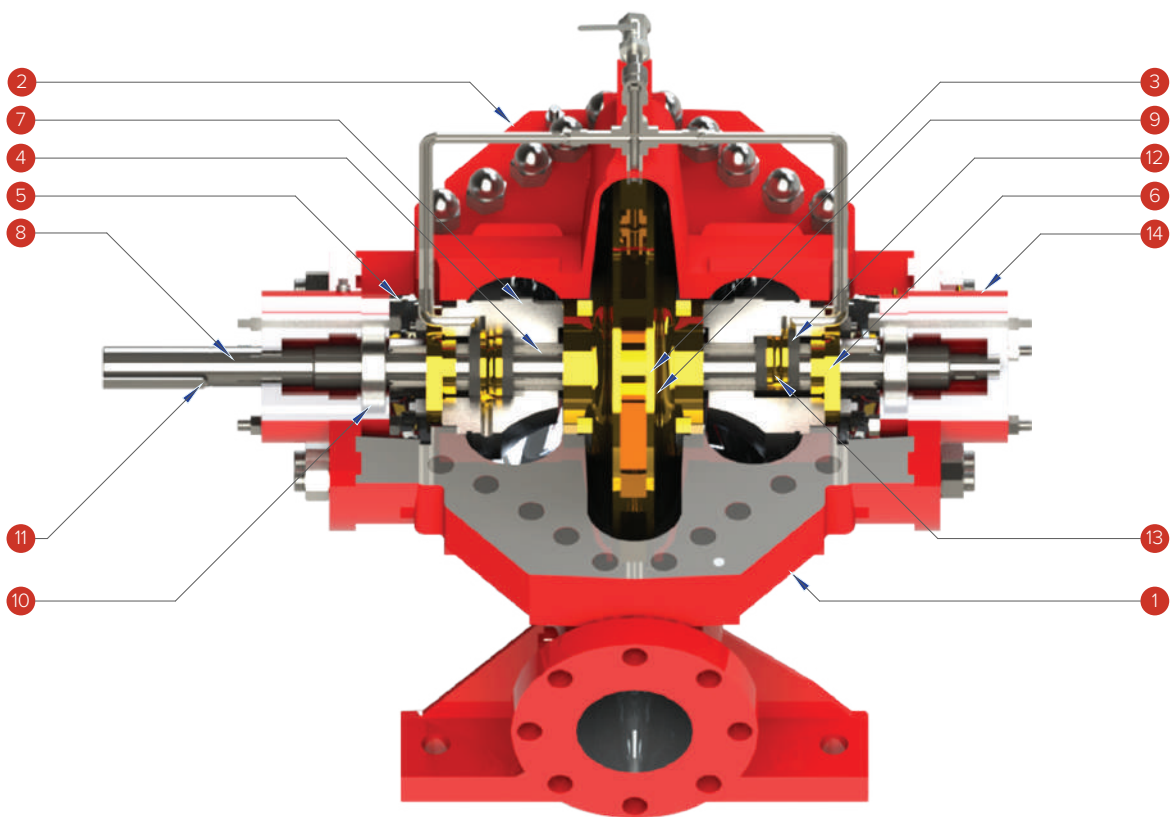
RATED CAPACITY - 3000 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage
1	NF-S-250-470	103 - 125	-	1470	12	10	1

RATED CAPACITY - 3500 US GPM

Sl. No.	Pump Model	UL Listed Pressure (psi)	FM Approved Pressure (psi)	Rated Speed (rpm)	Suction Inlet Dia. (inch)	Discharge Outlet Dia. (inch)	Stage
1	NF-S-250-470	99 - 121	-	1470	12	10	1

OPEN VIEW



Note: Pump models NF-S-100-375, NF-S-125-365, NF-S-150-290 and NF-S-150-360 will be having internal water passage between casing volute and stuffing box for gland packing flush instead of external flushing pipe.



PUMP PARTS

PUMP MODEL NAMES : NF-S-125-80, NF-S-150-100, NF-S-150-100-375 & NF-S-200-125

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Cast Iron ASTM A48 Class 40	1
2	Upper Casing	Cast Iron ASTM A48 Class 40	1
3	Impeller	Bronze SAE 40	1
4	Shaft Sleeve	Stainless Steel AISI 420	2
5	Bearing Cover	Cast Iron ASTM A48 Class 40	2
6	Gland	Bronze SAE 40	2
7	Stuffing Box	Cast Iron ASTM A48 Class 40	2
8	Shaft	Alloy Steel AISI 4340*	1
9	Wear Ring	Bronze SAE 40	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Stainless Steel AISI 420	1
12	Gland Packing	Graphite Impregnated	8
13	Lantern Ring	Bronze SAE 40	2
14	Bearing Housing	Cast Iron ASTM A48 Class 40	2

*Optionals shaft materials are available - AISI 316 (except for NF-S-150-100-375), Duplex 2205 or Duplex 2507

PUMP PARTS

PUMP MODEL NAMES : NF-S 150-570, NF-S 200-410, NF-S 200-660 & NF-S 250-470

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Ductile Iron ASTM A536	1
2	Upper Casing	Ductile Iron ASTM A536	1
3	Impeller	Bronze SAE 40*	1
4	Shaft Sleeve	Stainless Steel 316*	2
5	Bearing Cover	Ductile Iron ASTM A536	2
6	Gland	Bronze SAE 40*	2
7	Stuffing Box	Ductile Iron ASTM A536	2
8	Shaft	Alloy Steel AISI 4340	1
9	Wear Ring	Bronze SAE 40*	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Stainless Steel AISI 420	1
12	Gland Packing	Graphite Impregnated*	8
13	Lantern Ring	Bronze SAE 40*	2
14	Bearing Housing	Ductile Iron ASTM A536	2

*Options:

Impeler	- S. S. 304	Wear Ring	- S. S. 304
Shaft Sleeve	- S. S. 420	Gland Packing	- Teflon
Gland	- S. S. 304	Lantern Ring	- S. S. 304

PUMP MODEL NAMES : NF-S-100-375 & NF-S-125-365

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Ductile Iron ASTM A536	1
2	Upper Casing	Ductile Iron ASTM A536	1
3	Impeller	Bronze	1
4	Shaft Sleeve	Stainless Steel 304	2
5	Bearing Cover	Cast Iron ASTM No. 30	2
6	Gland	Ductile Iron ASTM A536	2
7	Stuffing Box	Ductile Iron ASTM A536	2
8	Shaft	Carbon Steel ASTM 5140	1
9	Wear Ring	Brass	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Carbon Steel ASTM 1045	1
12	Gland Packing	Graphite Impregnated	8
13	Lantern Ring	Brass	2
14	Bearing Housing	Cast Iron ASTM No. 30	2

PUMP PARTS

PUMP MODEL NAMES : NF-S 150-290

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Cast Iron ASTM A48	1
2	Upper Casing	Cast Iron ASTM A48	1
3	Impeller	Bronze SAE 40*	1
4	Shaft Sleeve	Stainless Steel 304	2
5	Bearing Cover	Cast Iron ASTM A48	2
6	Gland	Brass*	2
7	Stuffing Box	Cast Iron ASTM A48	2
8	Shaft	Steel ASTM 420	1
9	Wear Ring	Brass*	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Stainless Steel 304	1
12	Gland Packing	Graphite Impregnated	8
13	Lantern Ring	Brass*	2
14	Bearing Housing	Cast Iron ASTM A48	2

*Options:

Impeller	- S. S. 304	Gland Packing	- Teflon
Gland	- Bronze SAE 40	Lantern Ring	- Bronze SAE 40
Wear Ring	- Bronze SAE 40		

PUMP MODEL NAMES : NF-S-150-360

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Cast Iron ASTM No. 35	1
2	Upper Casing	Cast Iron ASTM No. 35	1
3	Impeller	Bronze	1
4	Shaft Sleeve	Stainless Steel 304	2
5	Bearing Cover	Cast Iron ASTM No. 30	2
6	Gland	Ductile Iron ASTM A536	2
7	Stuffing Box	Cast Iron ASTM No. 35	2
8	Shaft	Carbon Steel ASTM 5140	1
9	Wear Ring	Brass	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Carbon Steel ASTM 1045	1
12	Gland Packing	Graphite Impregnated	8
13	Lantern Ring	Brass	2
14	Bearing Housing	Cast Iron ASTM No. 30	2

PUMP PARTS

PUMP MODEL NAMES : NF-S-200-150-305

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	CI FG260 BS 1452	1
2	Upper Casing	CI FG260 BS 1452	1
3	Impeller	Bronze LG2 BS 1400	1
4	Shaft Sleeve	Bronze CT1 BS 1400	2
5	Bearing Cover	Cast Iron ASTM No. 30*	2
6	Gland	Bronze BS 1400 LG2	2
7	Stuffing Box	Cast Iron ASTM No. 35*	2
8	Shaft	AISI 410	1
9	Wear Ring	Brass*	2
10	Bearing	Bearing Steel*	2
11	Coupling Key	Carbon Steel ASTM 1045*	1
12	Gland Packing	Graphite Impregnated*	8
13	Lantern Ring	Brass*	2
14	Bearing Housing	Cast Iron ASTM No. 30*	2

PUMP MODEL NAMES : NF-S-150-360

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Cast Iron ASTM No. 35	1
2	Upper Casing	Cast Iron ASTM No. 35	1
3	Impeller	Bronze	1
4	Shaft Sleeve	Stainless Steel 304	2
5	Bearing Cover	Cast Iron ASTM No. 30	2
6	Gland	Ductile Iron ASTM A536	2
7	Stuffing Box	Cast Iron ASTM No. 35	2
8	Shaft	Carbon Steel ASTM 5140	1
9	Wear Ring	Brass	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Carbon Steel ASTM 1045	1
12	Gland Packing	Graphite Impregnated	8
13	Lantern Ring	Brass	2
14	Bearing Housing	Cast Iron ASTM No. 30	2

PUMP PARTS

PUMP MODEL NAMES : NF-S-200-150-305

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	CI FG260 BS 1452	1
2	Upper Casing	CI FG260 BS 1452	1
3	Impeller	Bronze LG2 BS 1400	1
4	Shaft Sleeve	Bronze CT1 BS 1400	2
5	Bearing Cover	Cast Iron ASTM No. 30*	2
6	Gland	Bronze BS 1400 LG2	2
7	Stuffing Box	Cast Iron ASTM No. 35*	2
8	Shaft	AISI 410	1
9	Wear Ring	Brass*	2
10	Bearing	Bearing Steel*	2
11	Coupling Key	Carbon Steel ASTM 1045*	1
12	Gland Packing	Graphite Impregnated*	8
13	Lantern Ring	Brass*	2
14	Bearing Housing	Cast Iron ASTM No. 30*	2

PUMP MODEL NAMES : NF-S-125-230, NF-S-150-170

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	CI FG260 BS 1452	1
2	Upper Casing	CI FG260 BS 1452	1
3	Impeller	Bronze LG2 BS 1400	1
4	Shaft Sleeve	Bronze CT1 BS 1400	2
5	Bearing Cover	CI FG260 BS 1452	2
6	Gland	Bronze LG2 BS 1400	2
7	Stuffing Box	CI FG260 BS 1452	2
8	Shaft	Stainless Steel AISI 410	1
9	Wear Ring	Bronze LB2 BS 1400	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Stainless Steel AISI 410	1
12	Gland Packing	Soft Packing Style R4804	10 Rings
13	Lantern Ring	Bronze LG2 BS 1400	2
14	O Ring	Viton	2

PUMP PARTS

PUMP MODEL NAMES : NF-SS-200-125

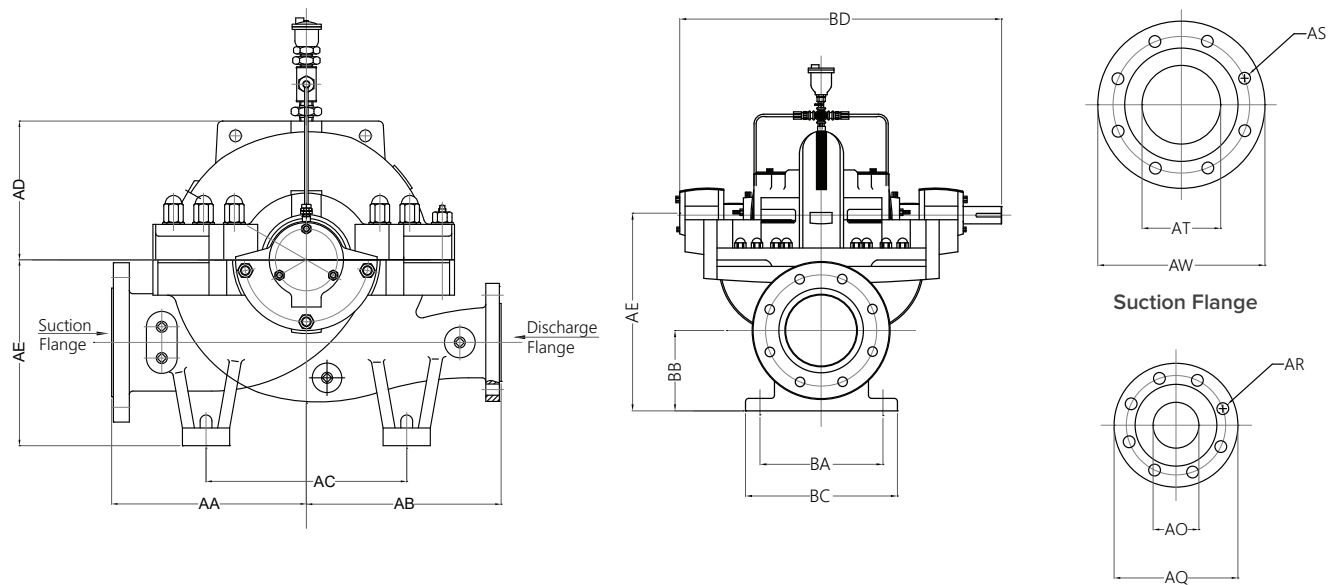
NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Cast Iron ASTM A48 Class 40	1
2	Upper Casing	Cast Iron ASTM A48 Class 40	1
3	Impeller	Bronze SAE 40	1
4	Shaft Sleeve	Stainless Steel AISI 420	2
5	Bearing Cover	Cast Iron ASTM A48 Class 40	2
6	Gland	Bronze SAE 40	2
7	Stuffing Box	Cast Iron ASTM A48 Class 40	2
8	Shaft	Alloy Steel AISI 4340*	1
9	Wear Ring	Bronze SAE 40	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Stainless Steel AISI 420	1
12	Gland Packing	Graphite Impregnated	8
13	Lantern Ring	Bronze SAE 40	2
14	Bearing Housing	Cast Iron ASTM A48 Calss 40	2

*Optionals shaft materials are available - AISI 316, Duplex 2205 or Duplex 2507

PUMP MODEL NAMES : NF-S-100-80-290

NO.	PART NAME	MATERIAL	QTY.
1	Lower Casing	Cast Iron CI FG 260	1
2	Upper Casing	Cast Iron CI FG 260	1
3	Impeller	Bronze LG2 BS 1400	2
4	Shaft Sleeve	Bronze CT1 BS 1400	2
5	Bearing Cover	Cast Iron CI FG 260	2
6	Gland	Bronze LG2 BS 1400	2
7	Stuffing Box	Cast Iron CI FG 260	2
8	Shaft	Stainless Steel AISI 410	1
9	Wear Ring	Bronze LB2 BS 1400	2
10	Bearing	Bearing Steel	2
11	Coupling Key	Stainless Steel AISI 410	1
12	Gland Packing	Ramie Fibre PTFE	5+5 Rings
13	Lantern Ring	Bronze LG2 BS 1400	2
14	O Ring	Nitrile rubber	2

DIMENSIONAL DRAWING



FIRE PUMP DIMENSIONS - HORIZONTAL SPLIT CASE PUMP

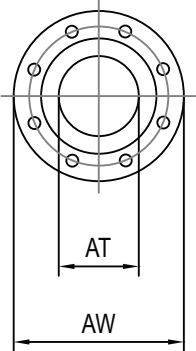
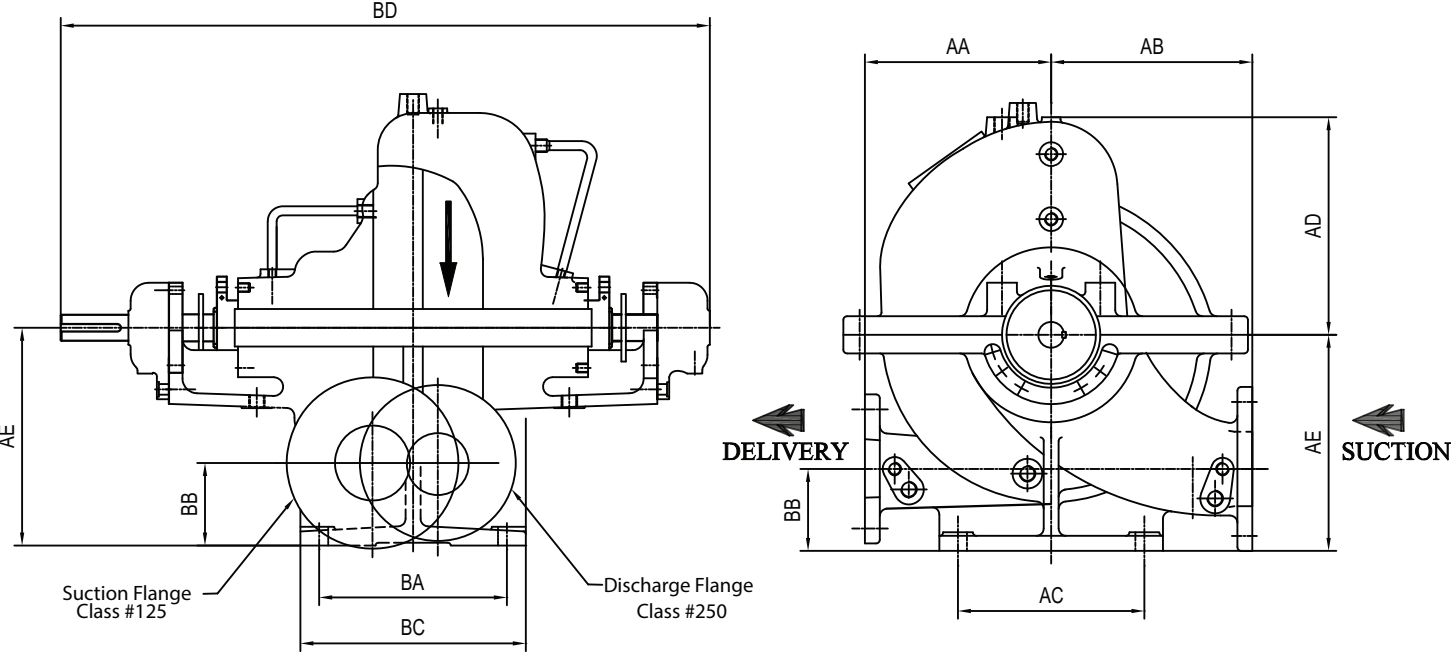
Suction and Discharge Flanges:

Standard - ASME B16.1

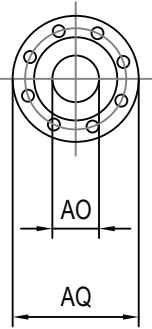
TABLE OF DIMENSIONS

DIMENSIONS IN MM															
Model No.	AA	AB	AC	AD	AE	BA	BB	BC	BD	Suction Flange			Discharge flange		
										AW	AT	AS	AQ	AO	AR
NF-S 125-80	330	330	340	245	315	270	175	340	772	280	5"	8 holes Ø22 on PCD 235 ANSI #250RF	210	3"	8 holes Ø22 on PCD 235 ANSI #250RF
NF-S 150-100	330	330	400	250	355	270	185	320	795	320	6"	12 holes Ø22 on PCD 270 ANSI #250RF	255	4"	8 holes Ø22 on PCD 200 ANSI #250RF
NF-S 150-100-375	375	375	400	270	355	270	185	330	765	320	6"	12 holes Ø22 on PCD 270 ANSI #250RF	255	4"	8 holes Ø22 on PCD 200 ANSI #250RF
NF-S 200-125	395	370	450	285	400	340	200	390	881	380	8"	12 holes Ø28 on PCD 330 ANSI #250RF	280	5"	8 holes Ø22 on PCD 235 ANSI #250RF
NF-S 150-290	410	410	450	225	400	340	200	400	870	380	8"	12 holes Ø24 on PCD 330 ANSI #250RF	315	6"	12 holes Ø24 on PCD 270 ANSI #250RF
NF-S 150-570	550	550	700	377	500	430	200	480	1007	381	8"	12 holes Ø24 on PCD 330 ANSI #250RF	318	6"	12 holes Ø22 on PCD 220 ANSI #250RF
NF-S 250-470	560	560	700	360	600	520	300	600	1318.5	520	12"	16 holes Ø32 on PCD 451 ANSI #250RF	445	10"	16 holes Ø29 on PCD 387.5 ANSI #250RF
NF-S 200-660	650	550	700	455	600	440	260	520	1110	445	10"	16 holes Ø28 on PCD 390 ANSI #250RF	380	8"	12 holes Ø22 on PCD 330 ANSI #250RF
NF-S 200-410	505	500	560	310	500	430	260	480	1007	445	10"	16 holes Ø28 on PCD 390 ANSI #250RF	380	8"	12 holes Ø25 on PCD 330 ANSI #250RF
NF-S-100-375	382	380	400	265	400	270	185	320	705	317.5	6"	12 holes Ø22.4 on PCD 269.7 ANSI #250RF	254	4"	8 holes Ø22.4 on PCD 200 ANSI #250RF
NF-S-125-365	382	380	450	265	400	340	200	390	875	381	8"	12 holes Ø25.4 on PCD 330.2 ANSI #250RF	279	5"	8 holes Ø22.4 on PCD 235 ANSI #250RF
NF-S-150-360	412	412	450												

DIMENSIONAL DRAWING (2 STAGE)



Suction Flange



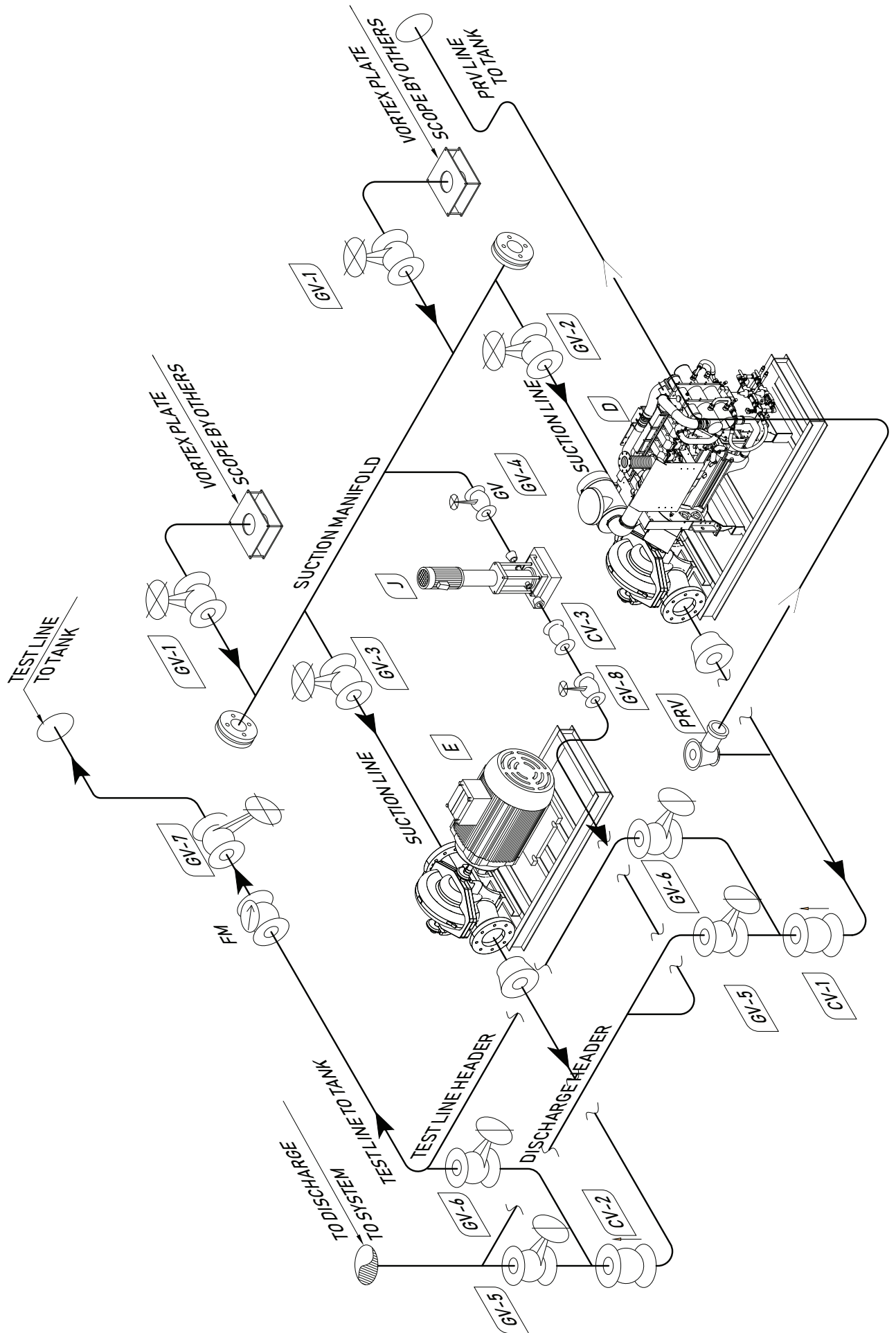
Discharge Flange

FIRE PUMP DIMENSIONS - HORIZONTAL SPLIT CASE MULTISTAGE PUMP

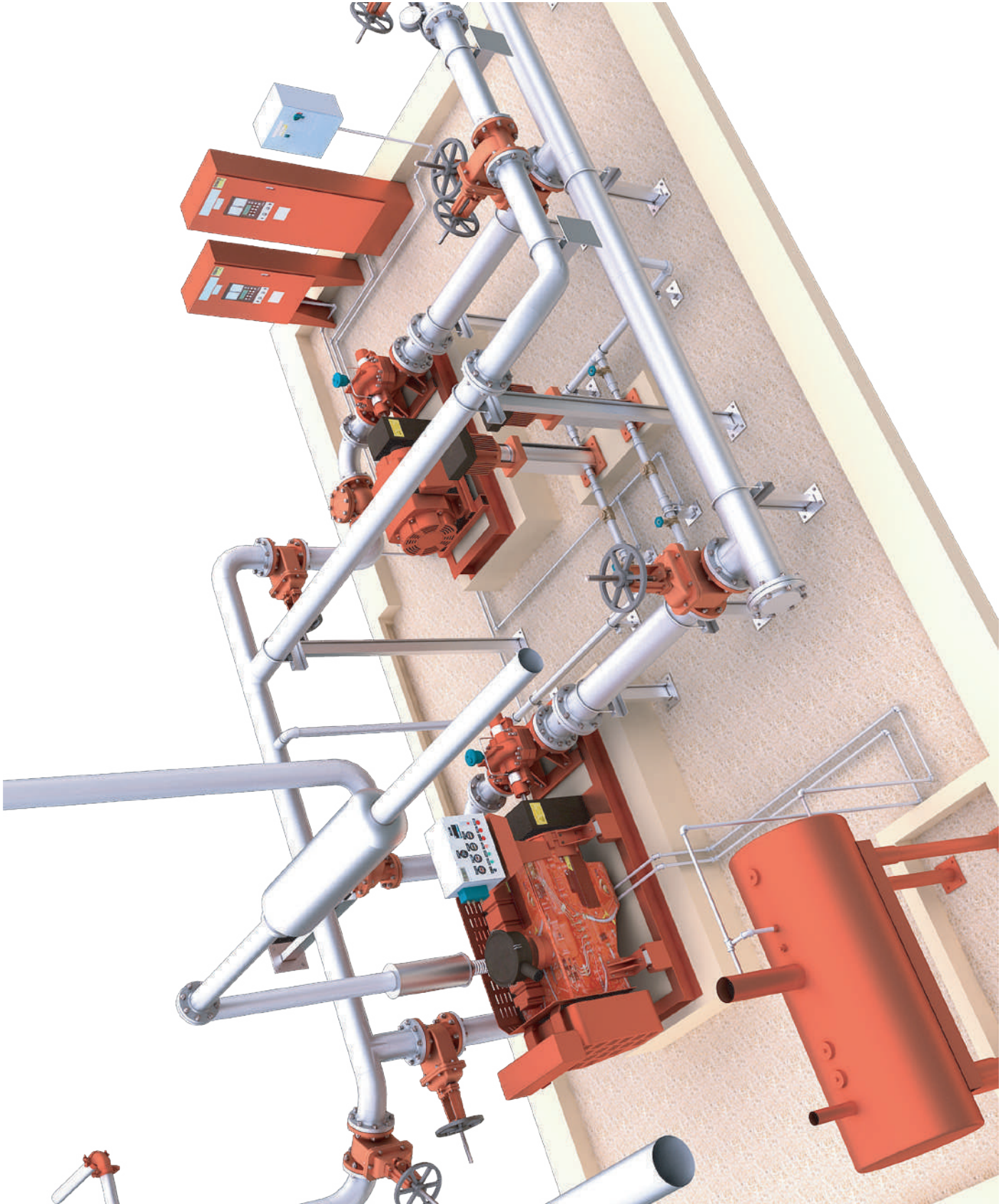
Suction and Discharge Flanges:
Standard - ASME B16.1

All dimensions are in mm unless otherwise indicated.

GENERAL ARRANGEMENT DRAWING FOR FIRE PUMPS



FIRE PUMP INSTALLATION



NFPA 20 requirements related to the installation of fire pump set should be followed strictly. The main pipe sizes, necessary distances between the piping components, valve sizes, branch pipe sizes, bends in the

grouting, support and bolting should also be in line with a stringent design based on NFPA 20.



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