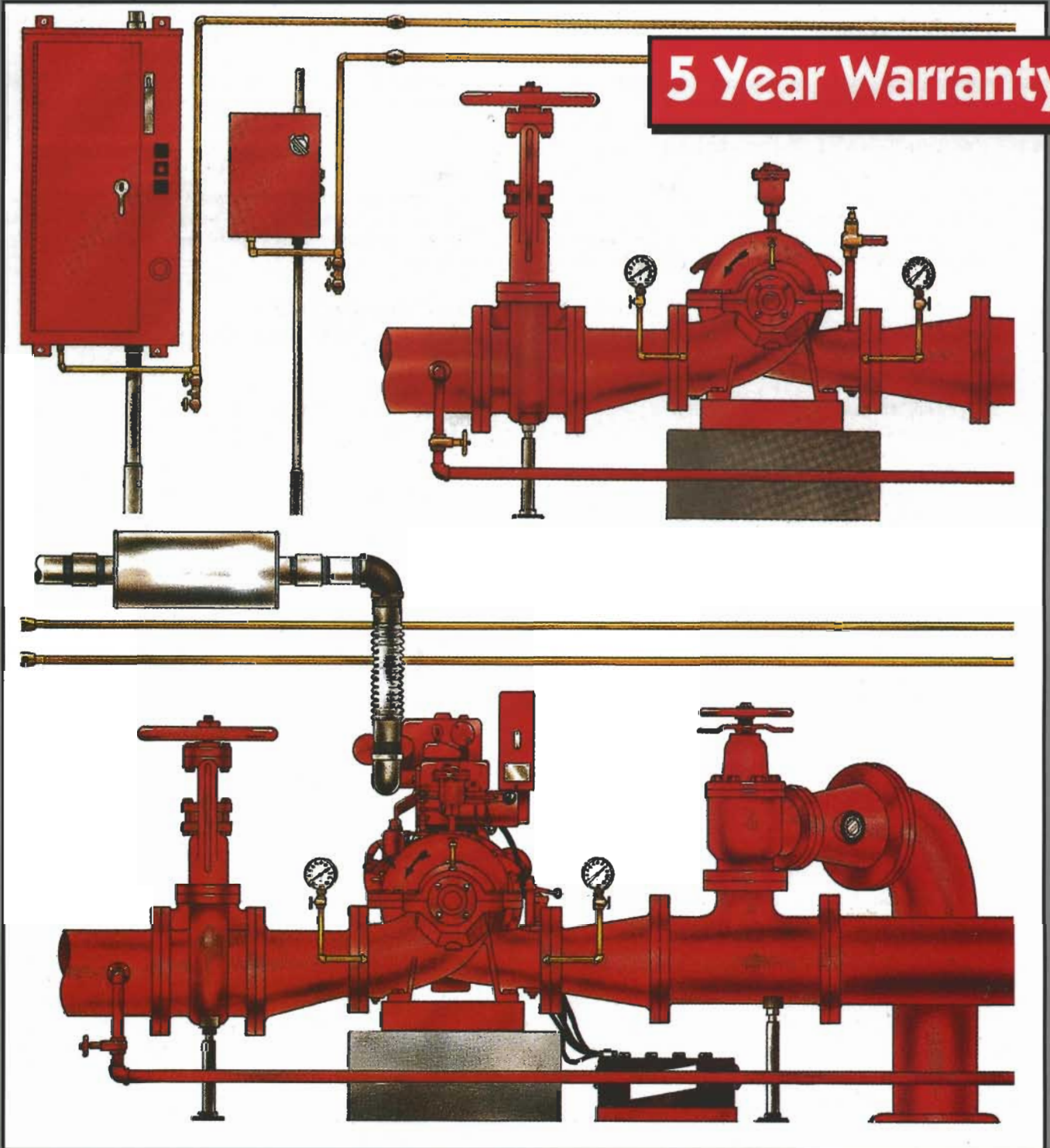


Fire Pumps



R-B Pump, Inc.



REDDY - BUFFALOES PUMP, INC.

1 DIXIE DRIVE • P.O. BOX 557 • BAXLEY, GA 31513 • (912) 367-6345 • (912) 367-6394

WEBSITE: www.rbump.com • E-MAIL: rbump@cybersouth.com

R-B Fire Pumps

R-B Pump, Inc., the nation's newest fire pump manufacturer, announces the first entire fire pump line designed from inception to serve the fire protection market. Freed from existing designs intended for other markets, R-B

fire pumps have been designed specifically as fire pumps. R-B Pump, Inc. provides dependable, modern, highly efficient, and practical designs needed for the industry today.

Fire Protection Systems

In the prevention of loss of life or damage to property, modern fire protection systems utilize a pump to provide the flow and water pressure needed when adequate supply is not available. A pump for this service requires special construction, components, and accessories to insure safe, reliable operation. These special fire pump units are

furnished to meet the standards of the National Fire Protection Association Pamphlet No. 20 (NFPA 20), Underwriters Laboratory, and the Factory Mutual Research Corporation. All R-B fire pumps meet or exceed these requirements.

Standard Sizes

Approved fire pumps are available in 20 standard flow ranges. The differential head of any fire pump will have a minimum rating of 40 psi. Every fire pump is given a complete factory performance test to verify compliance to

the rated conditions before shipment from the factory. For specific selections of R-B fire pumps, please refer to the separate Selection Tables found in the full engineering catalog.

NFPA 20 Standard Fire Pump Capacities (GPM)

25, 50, 100, 150, 200, 250, 300, 400, 450, 500, 750, 1000, 1250, 1500, 2000, 3000, 3500, 4000, 4500, 5000

The Fire Pump Specialist

R-B Pump, Inc. has designed an entire line of pumps strictly for fire protection service. Each model has been designed from inception around the specific hydraulic and mechanical requirements mandated for fire pumps. With preservation of life and property at stake, choose the company that specializes in fire protection. R-B Pump, Inc. is ready to provide the pumps you have been waiting for. We are taking the steps toward advancing fire pump systems, and will continue to set new standards for the fire pump

industry. Quality is of the utmost concern at R-B Pump, Inc. Our pumps are manufactured, designed, and assembled at our modern production facility. Quality checks extend to non-manufactured items supplied to assure total system compatibility.

Excellent design, quality construction, and knowledgeable personnel provide the reliability required for an R-B Fire Pump System.

Our factory personnel and field representatives are waiting to provide assistance, insight, and answers to your fire pump needs and requirements. Call us today to see how we may serve you.

How to Use This Bulletin

All the UL/FM approved fire pump pressure ranges are listed separately at various flow conditions for the Horizontal Split case, End Suction, Inline, and Vertical Turbine pumps. After selecting the type of pump required,

consult the individual Bulletin referred to in the last column for maximum horsepower, motor rating, and engine selection, as well as pump shutoff pressure.

HORIZONTAL SPLIT CASE DESIGN

General

Our Horizontal Split Case pumps have been specifically designed for fire pump requirements, utilizing the latest hydraulic techniques available. All the fire pumps are manufactured to high standards of quality in the material, construction, and workmanship of each unit.

Casing

The casings are of a high quality cast iron. Cast in our modern foundry. The casing is a split case design simplifying inspection and disassembly.

Bearings

Grease lubricated ball bearings are provided. The outboard bearing is a duplex angular contact ball thrust bearing. The inboard bearing is a single row radial bearing. The bearings are enclosed in a regreaseable housing. The bearing sizes are selected to provide a minimum L10 life of 200,000 hours.

Stuffing Boxes

Stuffing boxes are extra deep for proper sealing. Split packing rings and an optional bronze or teflon lantern ring for each side provide the sealing. Split packing glands simplify maintenance.

Impeller

The double suction impellers are zincless bronze, enclosed design, keyed to the shaft, and secured by adjustable shaft sleeves. All impellers are dynamically balanced to insure smooth operation. The double suction feature balances out hydraulic thrust loads. Impeller wear rings are not provided but are an available option.

Shaft

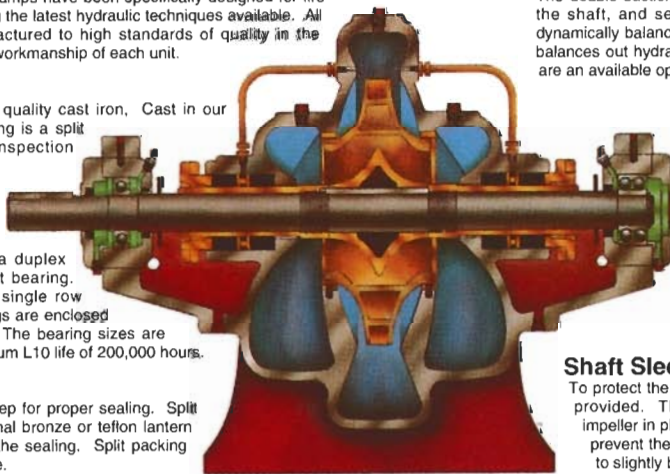
The shafts are alloy steel, machined and ground to close tolerances. They are sized to transmit the torque and handle the imposed hydraulic loads, all the while maintaining a minimum amount of deflection under any flow condition.

Casing Wear Rings

Bronze wear rings provide the sealing between the suction and discharge areas of the casing. The rings are staked by stainless steel pins to prevent their rotation. The wear rings saddle in a spherical groove making it impossible to dislodge.

Shaft Sleeves

To protect the shaft against wear and corrosion, bronze shaft sleeves are provided. The shaft sleeves are threaded to position and hold the impeller in place. The sleeves are double set screwed and keylocked to prevent their rotation in either direction. They extend from the impeller to slightly beyond the seal box area.



UL AND FM APPROVED PUMP RATINGS HORIZONTAL SPLIT CASE PUMPS

RATED FOR 200 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	43-80	2300	3X3DF	3	3	1	290	B-513
2	60-110	2600	3X3DF	3	3	1	290	B-513
3	45-140	3000	3X3DF	3	3	1	290	B-513
4	60-198	3525	3X3DF	3	3	1	290	B-513

RATED FOR 250 GPM

1	43-70	1500	3X3LDF 3X3LDFV	3	3	1	490	B-512
2	62-100	1800	3X3LDF 3X3LDFV	3	3	1	490	B-512
3	85-138	2100	3X3LDF	3	3	1	490	B-512
4	40-78	2300	3X3DF	3	3	1	290	B-513
5	101-165	2300	3X3LDF	3	3	1	490	B-512
6	59-108	2600	3X3DF	3	3	1	290	B-513
7	60-110	2600	5X4DF	5	4	1	380	B-510
8	40-138	2980	5X4DF	5	4	1	380	B-510
9	44-138	3000	3X3DF	3	3	1	290	B-513
10	170-290	3000	3X3LDF	3	3	1	490	B-512
11	60-195	3525	3X3DF	3	3	1	290	B-513
12	238-407	3600	3X3LDF	3	3	1	490	B-512

RATED FOR 300 GPM

1	43-68	1500	3X3LDF 3X3LDFV	3	3	1	490	B-512
2	61-98	1800	3X3LDF 3X3LDFV	3	3	1	490	B-512
3	84-136	2100	3X3LDF	3	3	1	490	B-512
4	40-75	2300	3X3DF	3	3	1	290	B-513
5	100-162	2300	3X3LDF	3	3	1	490	B-512
6	53-107	2600	3X3DF	3	3	1	290	B-513
7	60-108	2600	5X4DF	5	4	1	380	B-510
8	40-135	2980	5X4DF	5	4	1	380	B-510
9	43-136	3000	3X3DF	3	3	1	290	B-513
10	170-288	3000	3X3LDF	3	3	1	490	B-512
11	59-195	3525	3X3DF	3	3	1	290	B-513
12	238-405	3600	3X3LDF	3	3	1	490	B-512

RATED FOR 400 GPM

1	41-64	1500	3X3LDF 3X3LDFV	3	3	1	490	B-512
2	47-88	1500	5X5LDF	5	5	1	450	B-511
3	60-95	1800	3X3LDF 3X3LDFV	3	3	1	490	B-512
4	82-132	2100	3X3LDF	3	3	1	490	B-512
5	-68	2300	3X3DF	3	3	1	290	B-513
6	98-158	2300	3X3LDF	3	3	1	490	B-512
7	53-102	2600	3X3DF	3	3	1	290	B-513
8	59-106	2600	5X4DF	5	4	1	380	B-510
9	40-133	2980	5X4DF	5	4	1	380	B-510
10	43-127	3000	3X3DF	3	3	1	290	B-513
11	168-285	3000	3X3LDF	3	3	1	490	B-512
12	55-186	3525	3X3DF	3	3	1	290	B-513
13	54-197	3530	5X4DF	5	4	1	380	B-510
14	235-402	3600	3X3LDF	3	3	1	490	B-512

RATED FOR 450 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	45-86	1500	5X5LDF	5	5	1	450	B-511
2	49-95	2600	3X3DF	3	3	1	290	B-513
3	59-106	2600	5X4DF	5	4	1	380	B-510
4	40-130	2980	5X4DF	5	4	1	380	B-510
5	52-193	3530	5X4DF	5	4	1	380	B-510

RATED FOR 500 GPM

1	40-58	1500	3X3LDF 3X3LDFV	3	3	1	490	B-512
2	43-85	1500	5X5LDF	5	5	1	450	B-511
3	46-98	1500	6X6LDF	6	6	1	355	B-508
4	40-56	1760	6X6DF 6X6DFV	6	6	1	412	B-503
5	40-67	1775	8X8DF 8X8DFV	8	8	1	356	B-510
6	93-195	1780	6X5TF	6	5	2	685	B-509
7	58-91	1800	3X3LDF 3X3LDFV	3	3	1	490	B-512
8	65-128	1800	5X5LDF	5	5	1	450	B-511
9	56-128	1800	6X6LDF	6	6	1	355	B-508
10	80-128	2100	3X3LDF	3	3	1	490	B-512
11	85-180	2100	5X5LDF	5	5	1	450	B-511
12	78-197	2100	6X6LDF	6	6	1	355	B-508
13	128-275	2100	6X5TF	6	5	2	685	B-509
14	50-74	2165	6X6DF	6	6	1	412	B-503
15	96-153	2300	3X3LDF	3	3	1	490	B-512
16	100-215	2300	5X5LDF	5	5	1	450	B-511
17	95-237	2300	6X6LDF	6	6	1	355	B-508
18	155-335	2300	6X5TF	6	5	2	685	B-509
19	43-88	2350	6X6DF	6	6	1	412	B-503
20	60-90	2600	3X3DF	3	3	1	290	B-513
21	56-104	2600	5X4DF	5	4	1	380	B-510
22	49-115	2600	6X6DF	6	6	1	412	B-503
23	305-554	2950	6X5TF	6	5	2	685	B-509
24	45-126	2980	5X4DF	5	4	1	380	B-510
25	67-120	3000	3X3DF	3	3	1	290	B-513
26	166-278	3000	3X3LDF	3	3	1	490	B-512
27	170-255	3000	5X5LDF	5	5	1	450	B-511
28	50-160	3000	6X6DF 6X6DFV	6	6	1	412	B-503
29	164-270	3000	6X6LDF	6	6	1	355	B-508
30	315-570	3000	6X5TF	6	5	2	685	B-509
31	49-173	3300	6X6DF	6	6	1	412	B-503
32	93-175	3525	3X3DF	3	3	1	290	B-513
33	51-188	3530	5X4DF	5	4	1	380	B-510
34	232-400	3560	3X3LDF	3	3	1	490	B-512
35	240-285	3565	5X5LDF	5	5	1	450	B-511
36	58-217	3570	6X6DF 6X6DFV	6	6	1	412	B-503
37	222-253	3580	6X6LDF	6	6	1	355	B-508
38	200-563	3580	6X5TF	6	5	2	685	B-509

Note 1: Pumps are subjected to twice the working pressure during UL/FM approval.

Note 2: Certain models are only UL approved, consult factory for details.

Note 3: Pump types with the last letter "V" (Example: 3X3 LDFV) are also approved in the vertical position.

UL AND FM APPROVED PUMP RATINGS HORIZONTAL SPLIT CASE PUMPS

RATED FOR 750 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	46-95	1500	6X6LDF	6	6	1	355	B-508
2	40-53	1760	6X6DF 6X6DFV	6	6	1	412	B-503
3	40-65	1775	8X8DF 8X8DFV	8	8	1	356	B-505
4	-175	1780	6X5TF	6	5	2	685	B-509
5	67-115	1800	5X5LDF	5	5	1	450	B-511
6	50-141	1800	6X6LDF	6	6	1	355	B-508
7	70-107	2100	3X3LDF	3	3	1	490	B-512
8	70-165	2100	5X5LDF	5	5	1	450	B-511
9	73-191	2100	6X6LDF	6	6	1	355	B-508
10	110-255	2100	6X5TF	6	5	2	685	B-509
11	44-70	2165	6X6DF	6	6	1	412	B-503
12	88-136	2300	3X3LDF	3	3	1	490	B-512
13	90-200	2300	5X5LDF	5	5	1	450	B-511
14	90-232	2300	6X6LDF	6	6	1	355	B-508
15	140-315	2300	6X5TF	6	5	2	685	B-509
16	42-86	2350	6X6DF	6	6	1	412	B-503
17	49-95	2600	5X4DF	5	4	1	380	B-510
18	47-106	2600	6X6DF	6	6	1	412	B-503
19	58-116	2800	6X6DF	6	6	1	412	B-503
20	295-535	2950	6X5TF	6	5	2	685	B-509
21	160-260	3000	3X3LDF	3	3	1	490	B-512
22	43-105	3000	5X4DF	5	4	1	380	B-510
23	160-240	3000	5X5LDF	5	5	1	450	B-511
24	41-154	3000	6X6DF 6X6DFV	6	6	1	412	B-503
25	160-260	3000	6X6LDF	6	6	1	355	B-508
26	81-188	3000	8X8DF 8X8DFV	8	8	1	356	B-505
27	310-555	3000	6X5TF	6	5	2	685	B-509
28	54-165	3300	6X6DF	6	6	1	412	B-503
29	100-225	3300	8X8DF	8	8	1	356	B-505
30	235-270	3565	5X5LDF	5	5	1	450	B-511
31	58-212	3570	6X6DF 6X6DFV	6	6	1	412	B-503
32	70-154	3580	5X4DF	5	4	1	380	B-510
33	218-248	3580	6X6LDF	6	6	1	355	B-508
34	105-260	3580	8X8DF 8X8DFV	8	8	1	356	B-505
35	175-545	3580	6X5TF	6	5	2	685	B-509
36	227-375	3600	3X3LDF	3	3	1	490	B-512

RATED FOR 1000 GPM

1	73-138	1490	8X6TF	8	6	2	475	B-516
2	45-93	1500	6X6LDF	6	6	1	355	B-508
3	40-60	1775	8X8DF 8X8DFV	8	8	1	356	B-505
4	54-125	1775	8X8LDF	8	8	1	333	B-506
5	65-137	1780	6X6LDF	6	6	1	355	B-508
6	112-204	1790	8X6TF	8	6	2	475	B-516
7	63-186	2100	6X6LDF	6	6	1	355	B-508
8	155-204	2100	6X5TF	6	5	2	685	B-509
9	158-281	2100	8X6TF	8	6	2	475	B-516
10	106-180	2300	5X5LDF	5	5	1	450	B-511
11	84-225	2300	6X6LDF	6	6	1	355	B-508
12	199-290	2300	6X5TF	6	5	2	685	B-509
13	186-342	2300	8X6TF	8	6	2	405	B-516
14	40-80	2350	6X6DF	6	6	1	412	B-503
15	41-89	2600	6X6DF	6	6	1	412	B-503
16	73-128	2600	8X8DF	8	8	1	356	B-505
17	52-105	2800	6X6DF 6X6DFV	6	6	1	412	B-503
18	280-520	2950	6X5TF	6	5	2	685	B-509
19	145-220	3000	5X5LDF	5	5	1	450	B-511
20	46-147	3000	6X6DF 6X6DFV	6	6	1	412	B-503
21	150-275	3000	6X6LDF	6	6	1	355	B-508
22	80-184	3000	8X8DF	8	8	1	356	B-505
23	290-535	3000	6X5TF	6	5	2	685	B-509
24	73-155	3300	6X6DF	6	6	1	412	B-503
25	100-221	3300	8X8DF	8	8	1	356	B-505
26	220-255	3565	5X5LDF	5	5	1	450	B-511
27	62-200	3570	6X6DF 6X6DFV	6	6	1	412	B-503
28	212-238	3580	6X6LDF	6	6	1	355	B-508
29	105-266	3580	8X8DF 8X8DFV	8	8	1	356	B-505
30	305-546	3580	6X5TF	6	5	2	685	B-509

RATED FOR 1250 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	71-130	1490	8X6TF	8	6	2	475	B-516
2	54-87	1500	6X6LDF	6	6	1	355	B-508
3	58-89	1500	8X8LDF	8	8	1	333	B-506
4	43-61	1775	8X8DF 8X8DFV	8	8	1	356	B-505
5	62-133	1780	6X6LDF	6	6	1	355	B-508
6	41-128	1780	8X8LDF	8	8	1	333	B-506
7	105-195	1790	8X6TF	8	6	2	475	B-516
8	89-181	2100	6X6LDF	6	6	1	355	B-508
9	150-275	2100	8X6TF	8	6	2	475	B-516
10	103-216	2300	6X6LDF	6	6	1	355	B-508
11	180-333	2300	8X6TF	8	6	2	475	B-516
12	70-105	2350	8X8DF	8	8	1	356	B-505
13	70-123	2600	8X8DF	8	8	1	356	B-505
14	65-152	2800	8X8DF	8	8	1	356	B-505
15	60-137	3000	6X6DF 6X6DFV	6	6	1	412	B-503
16	145-270	3000	6X6LDF	6	6	1	355	B-508
17	78-178	3000	8X8DF 8X8DFV	8	8	1	356	B-505
18	125-320	3000	8X8LDF	8	8	1	333	B-506
19	100-215	3300	8X8DF	8	8	1	356	B-505
20	105-188	3565	6X6DF	6	6	1	412	B-503
21	199-227	3580	6X6LDF	6	6	1	355	B-508
22	100-260	3580	8X8DF 8X8DFV	8	8	1	356	B-505

RATED FOR 1500 GPM

1	121-203	1480	10X10LDF	10	10	1	357	B-515
2	63-121	1490	8X6TF	8	6	2	475	B-516
3	73-109	1495	10X10DF	10	10	1	375	B-504
4	55-85	1500	8X8LDF	8	8	1	333	B-506
5	57-127	1780	6X6LDF	6	6	1	355	B-508
6	40-130	1780	8X8LDF	8	8	1	333	B-506
7	177-247	1780	10X10LDF	10	10	1	357	B-515
8	46-158	1785	10X10DF	10	10	1	375	B-504
9	93-186	1790	8X6TF	8	6	2	475	B-516
10	67-120	1900	10X10DF	10	10	1	375	B-504
11	84-173	2100	6X6LDF	6	6	1	355	B-508
12	80-173	2100	8X8LDF	8	8	1	333	B-506
13	85-120	2100	10X10DF	10	10	1	375	B-504
14	145-268	2100	8X6TF	8	6	2	475	B-516
15	100-208	2300	6X6LDF	6	6	1	355	B-508
16	100-209	2300	8X8LDF	8	8	1	333	B-506
17	100-218	2300	10X10DF	10	10	1	375	B-504
18	173-325	2300	8X6TF	8	6	2	475	B-520
19	68-95	2350	8X8DF	8	8	1	356	B-505
20	70-99	2400	8X8DF	8	8	1	333	B-506
21	135-265	3000	6X6LDF	6	6	1	355	B-508
22	71-169	3000	8X8DF 8X8DFV	8	8	1	356	B-505
23	123-312	3000	8X8LDF	8	8	1	333	B-505
24	95-208	3300	8X8DF	8	8	1	356	B-505
25	150-205	3300	10X10DF	10	10	1	375	B-504
26	105-253	3580	8X8DF 8X8DFV	8	8	1	356	B-505
27	177-240	3580	10X10DF	10	10	1	375	B-504

Note: 8X8 LDF ratings with Electrical Motors are FM approved for vertical mounting positions, in addition to horizontal mounting.

UL AND FM APPROVED PUMP RATINGS HORIZONTAL SPLIT CASE PUMPS

RATED FOR 2000 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	115-195	1480	10X10LDF	10	10	1	357	B-515
2	69-104	1495	10X10DF	10	10	1	375	B-504
3	49-78	1500	8X8LDF	8	8	1	333	B-506
4	43-125	1780	8X8LDF	8	8	1	333	B-506
5	173-238	1780	10X10LDF	10	10	1	357	B-515
6	122-190	1780	12X12DF	12	12	1	295	B-507
7	42-154	1785	10X10DF	10	10	1	375	B-504
8	65-119	1900	10X10DF	10	10	1	375	B-504
9	73-160	2100	8X8LDF	8	8	1	333	B-506
10	80-215	2100	10X10DF	10	10	1	375	B-504
11	93-200	2300	8X8LDF	8	8	1	333	B-506
12	100-216	2300	10X10DF	10	10	1	375	B-504
13	145-230	2950	10X10DF	10	10	1	375	B-504
14	175-255	3000	6X6LDF	6	6	1	355	B-508
15	118-300	3000	8X8LDF	8	8	1	333	B-506
16	147-205	3300	10X10DF	10	10	1	375	B-504
17	154-229	3580	8X8DF	8	8	1	356	B-505
18	175-240	3580	10X10DF	10	10	1	375	B-504

RATED FOR 2500 GPM

1	116-190	1450	14X12DDF	14	12	1	332	B-514
2	110-186	1480	10X10LDF	10	10	1	357	B-515
3	64-98	1495	10X10DF	10	10	1	375	B-504
4	166-229	1780	10X10LDF	10	10	1	357	B-515
5	119-185	1780	12X12DF	12	12	1	295	B-507
6	55-150	1785	10X10DF	10	10	1	375	B-504
7	182-288	1800	14X12DDF	14	12	1	332	B-514
8	62-113	1900	10X10DF	10	10	1	375	B-504
9	63-149	2100	8X8LDF	8	8	1	333	B-506
10	80-208	2100	10X10DF	10	10	1	375	B-504
11	86-188	2300	8X8LDF	8	8	1	333	B-506
12	100-210	2300	10X10DF	10	10	1	375	B-504
13	136-216	2950	10X10DF	10	10	1	375	B-504
14	140-200	3300	10X10DF	10	10	1	375	B-504
15	169-235	3580	10X10DF	10	10	1	375	B-504

RATED FOR 3000 GPM

1	114-186	1450	14X12DDF	14	12	1	332	B-514
2	103-173	1480	10X10LDF	10	10	1	357	B-515
3	78-114	1480	12X12DF	12	12	1	295	B-507
4	-91	1495	10X10DF	10	10	1	375	B-506
5	160-216	1780	10X10LDF	10	10	1	357	B-515
6	114-180	1780	12X12DF	12	12	1	295	B-507
7	65-142	1785	10X10DF	10	10	1	375	B-504
8	180-281	1800	14X12DDF	14	12	1	332	B-514
9	-108	1900	10X10DF	10	10	1	375	B-504
10	75-200	2100	10X10DF	10	10	1	375	B-504
11	95-203	2300	10X10DF	10	10	1	375	B-504
12	-235	3580	10X10DF	10	10	1	375	B-504

RATED FOR 3500 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	112-180	1450	14X12DDF	14	12	1	332	B-514
2	75-110	1480	12X12DF	12	12	1	295	B-507
3	96-153	1480	10X10LDF	10	10	1	357	B-515
4	112-171	1780	12X12DF	12	12	1	295	B-507
5	152-206	1780	10X10LDF	10	10	1	357	B-515
6	97-112	1785	10X10DF	10	10	1	375	B-504
7	177-277	1800	14X12DDF	14	12	1	332	B-514
8	90-160	2100	10X10DF	10	10	1	375	B-504
9	117-197	2300	10X10DF	10	10	1	375	B-504

RATED FOR 4000 GPM

1	108-173	1450	14X12DDF	14	12	1	332	B-514
2	70-108	1480	12X12DF	12	12	1	295	B-507
3	108-165	1780	12X12DF	12	12	1	295	B-507
4	175-268	1800	14X12DDF	14	12	1	332	B-514

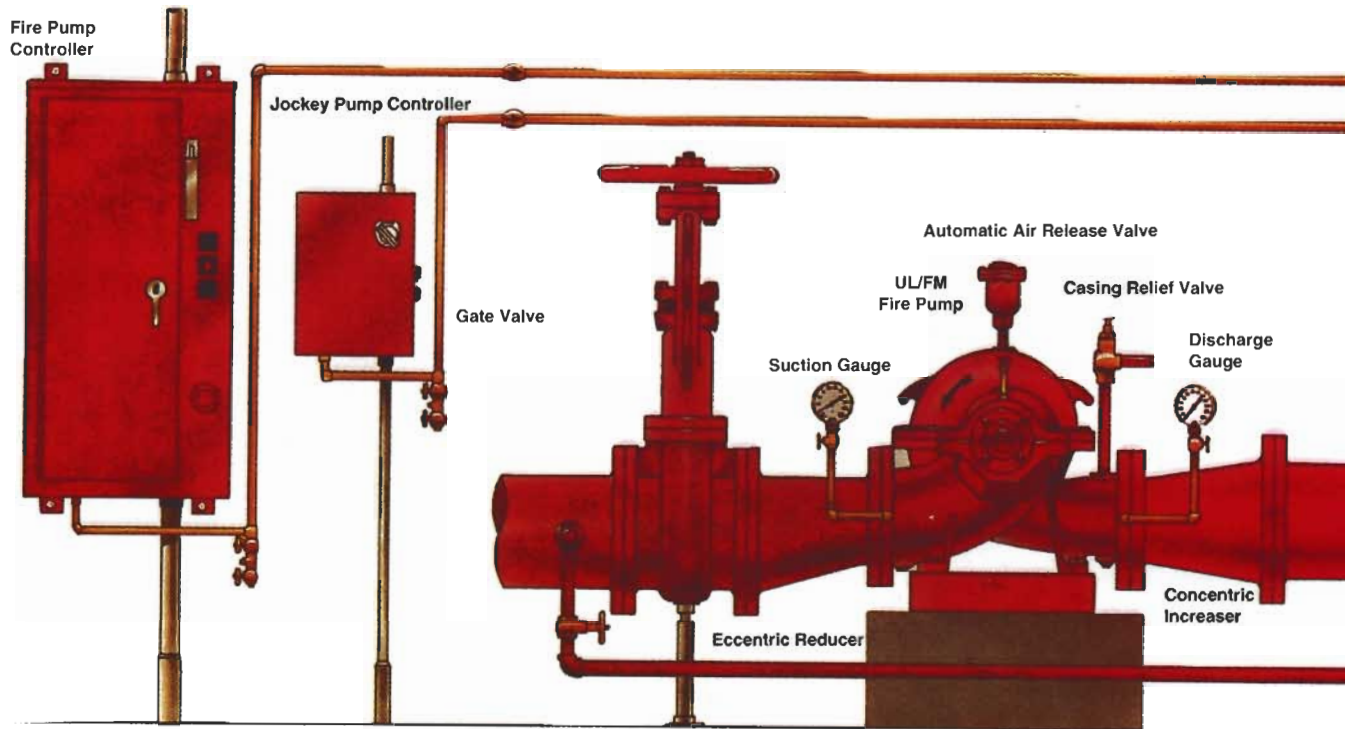
RATED FOR 4500 GPM

1	104-165	1450	14X12DDF	14	12	1	332	B-514
2	67-104	1480	12X12DF	12	12	1	295	B-507
3	105-155	1780	12X12DF	12	12	1	295	B-507
4	171-260	1800	14X12DDF	14	12	1	332	B-514

RATED FOR 5000 GPM

1	97-158	1450	14X12DDF	14	12	1	332	B-514
2	65-100	1480	12X12DF	12	12	1	295	B-507
3	116-150	1780	12X12DF	12	12	1	295	B-507
4	165-250	1800	14X12DDF	14	12	1	332	B-514

Note: 14X12 DDF is UL approved only at 1800 RPM.



Electric Motor Driven Fire Pump System

Pump Driver

The fire pump can be driven by any one of three methods: electric motor, UL Listed or FM approved diesel engine, or a steam turbine driver. Each driver is furnished to meet or exceed the requirements of NFPA 20, and will be sized to exceed the pump maximum BHP requirements.

Baseplate

All fire pumps are furnished mounted with the driver on a fabricated steel baseplate, provided with an adequate number of grout holes. An optional drip rim baseplate is available.

Coupling

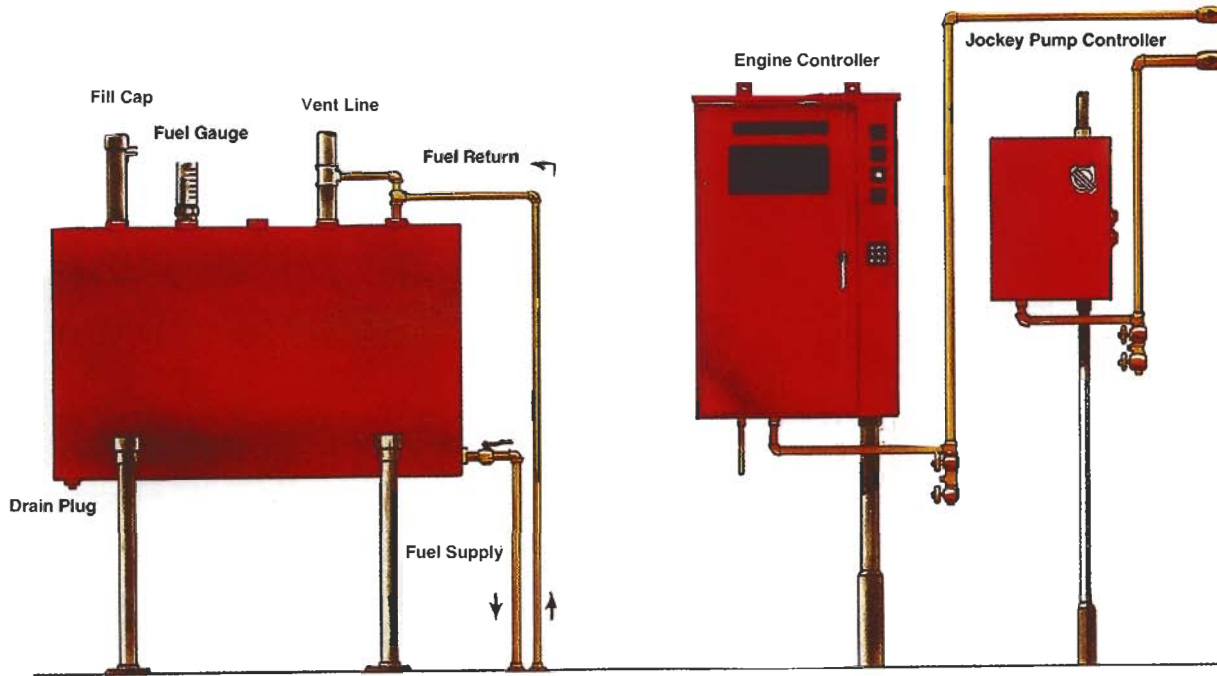
The coupling furnished with each unit will be a flexible type, sized for the appropriate loads, and provided with an OSHA design coupling guard.

Controller

Electric motor and diesel driven units are furnished with a manual or combined manual and automatic UL Listed and FM approved controller. Upon a manual or automatic signal, a controller will engage the pump driver, and monitor all key functions. Most controls are furnished for automatic operation, and initiate starting by sensing a pressure drop in the system by way of a sensing line. All controls are available with a wide variety of options to suit individual job needs. Electric motor controllers are available to start the electric motor by various approved methods.

Approved Electric Driven Starting Options

STARTING METHOD	OPERATION	STARTING CURRENT % of locked rotor current	STARTING TORQUE % of locked rotor torque	OPEN OR CLOSED TRANSITION	BASIC CHARACTERISTICS	
					ADVANTAGES	LIMITATIONS
ACROSS THE LINE	Initially connects motor directly to power lines.	100%	100%	None	<ol style="list-style-type: none"> 1. Lowest cost 2. Highest starting torque. 3. Used with any standard motor 4. Least maintenance. 	<ol style="list-style-type: none"> 1. High starting current. 2. High starting torque. 3. May shock driven machine.
PRIMARY RESISTANCE REDUCED VOLTAGE	Inserts resistance units in series with motor during first step(s).	50%	25%	Closed	<ol style="list-style-type: none"> 1. Smoothest starting. 2. Least shock to driven machine 3. Most flexible in application. 4. Used with any standard motor. 	<ol style="list-style-type: none"> 1. High power loss because of heating resistors. 2. Heat must be dissipated. 3. Low torque per ampere input. 4. High cost.
PART WINDING	Starts motor with only part of windings connected, then adds remainder for running.	65%	42%	Closed	<ol style="list-style-type: none"> 1. Low cost 2. Popular method for medium starting torque applications. 3. Low maintenance. 	<ol style="list-style-type: none"> 1. Not good for frequent starts. 2. May require special wound motor. 3. Low pull-up torque.
WYE-DELTA	Starts motor with windings wye connected, then re-connects them in delta connection for running.	33%	33%	Open or Closed	<ol style="list-style-type: none"> 1. Medium cost. 2. Low starting current. 3. Low starting torque. 4. Less strain on motor. 	<ol style="list-style-type: none"> 1. Low starting torque. 2. Requires Delta Wound motor.
AUTO TRANSFORMER REDUCED VOLTAGE	Uses autotransformer to reduce voltage applied to motor.	Tap 65%	42%	Closed	<ol style="list-style-type: none"> 1. Best for hard to start loads. 2. Adjustable starting torque 3. Used with any standard motor. 4. Less strain on motor. 	<ol style="list-style-type: none"> 1. May shock driven machine. 2. Highest cost.



Diesel Engine Driven Fire Pump System

Fuel Tank

Fuel tanks for diesel engines are sized to equal or exceed the engine rated HP value. As an example, a 115 HP diesel engine would be furnished with a 115 Gallon or larger fuel tank. Fuel tanks must be installed above ground with the minimum elevation fixed to match the fuel pump elevation of the diesel engine. Preferable location of the fuel tank is inside the pump room, being mandatory in zones subject to freezing.

Fuel System

A standard fuel system contains a lockable fill cap, fuel strainer, fuel gauge, vent cap, supply line valve, flexible connectors for fuel supply and return, and other misc. fittings. All the connecting piping is generally furnished by the installing contractor.

Cooling Water Line

Engines for fire pump service are cooled by a water cooled heat exchanger versus an air-cooled radiator system. The cooling water supply is taken from a tap on the discharge nozzle of the fire pump and channeled through a piping system to the engine heat exchanger, then to drain. The piping system is supplied with all the features required by NFPA 20.

Batteries

Diesel engines for fire pump service are furnished with a back-up battery system. Two sets of heavy duty diesel starting batteries are furnished with capacities to crank the engine through a NFPA 20 cranking cycle. Battery cables are furnished to allow placement of the batteries immediately adjacent to the engine.

Gauges

A suction and discharge gauge are furnished for each fire pump. With a minimum dial size of 3½ in., the pressure range shall be twice the working pressure of the pump with a minimum of 200 PSI. Our standard gauges read in PSI and have a range of 300 PSI, and are compound pressure and vacuum type.

Automatic Air Release Valve

The automatic air release valve releases air that may accumulate in the volute of the horizontal split case pumps. The valve is not required in the self-venting end suction pump. The minimum size is a ½ in. inlet and the valve is installed at the top of the pump volute.

Casing Relief Valve

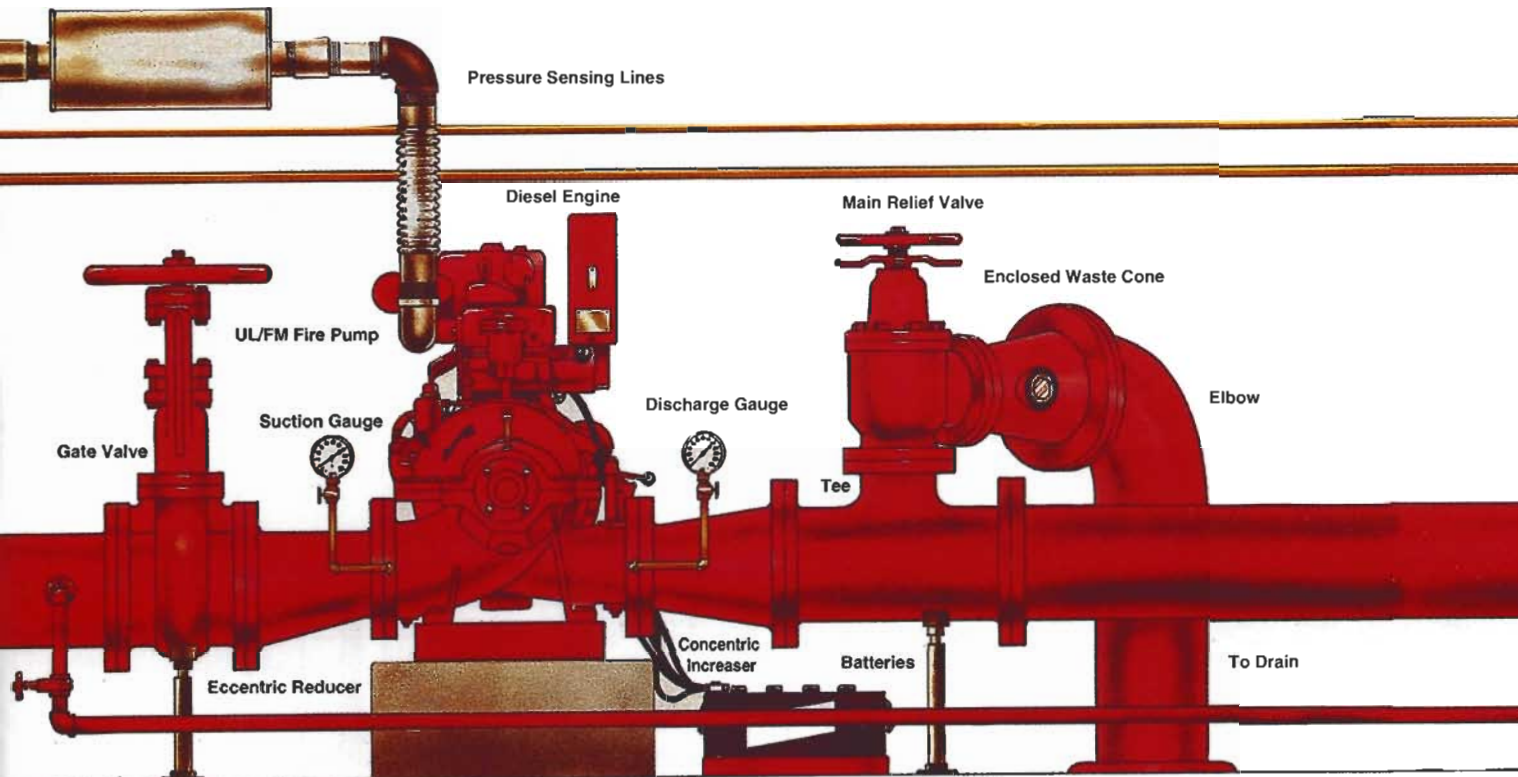
The casing relief valve provides a vital function on electric driven units. When set properly, the valve permits enough water to discharge to a drain to prevent the pump from over-heating when operating at conditions near shutoff. The valve will have an adjustable range which is set in the field. Engine driven units do not require a casing relief valve for which water is continuously drawn through the pump for engine heat exchanger cooling purposes.

Pressure Sensing Lines

The sensing lines are of bronze, copper, or stainless steel pipe, and are provided with the fittings as shown. The sensing lines are generally furnished by the installing contractor.

Tees

Standard straight or reducing tees are required for the main relief valve, hose header line, or for general use. The tees are generally furnished by the installing contractor.



Flexible Exhaust Connectors

A flexible connector is provided at the exhaust outlet of the engine. The connector relieves thermal expansion strains and helps dampen transmitted engine vibrations.

Exhaust Silencer

An industrial exhaust silencer providing 10-15 DBA reduction is furnished with each diesel unit. Other grades are available to suit individual job requirements.

Flow Meter System

In place of, or, in addition to the hose valve header with hose valves, R-B Pump Co., offers a complete line of UL/FM Approved Flow Meters. The flow meters can adequately test the fire pump performance in cases of limited water supply. Available in calibrated venturi design with a wall or pipe mounted dial meter reading in GPM, the system provides a $\pm 1\%$ accuracy, when installed properly. The venturi principle provides a clog-free design and allows the most compact piping arrangements of any other flow meter design.

Eccentric Suction Reducer

The suction piping is sized such that the NPSH available will be greater than 19 ft., absolute, when operating at 150% of the rated capacity, but not less than the minimum values given by NFPA 20. The piping size may be different than the pump suction size necessitating the need for an eccentric reducer. An eccentric fitting is used to prevent the possibility of air pockets forming in the line as would be experienced if a concentric fitting were used.

Concentric Discharge Inserter

The discharge pipe size shall not be less than the values given by NFPA 20. These values are generally different than the pump discharge size and hence the need for an increasing or reducing fitting. Since our type DF fire pumps have been designed specifically for fire pump usage, the suction and discharge connections will best match the NFPA 20 minimum values. In most cases, the need for reducer or increaser fittings is eliminated, saving cost and installation time.

Main Relief Valve

Pumps which are connected to diesel engine or steam turbine drivers, shall be equipped with a listed main relief valve. The main relief valve size shall be greater than or equal to the values given in NFPA 20. The valves are set to prevent a pressure on the fire protection system greater than it can withstand. Spring loaded and pilot operated types are available in UL-FM Designs. The main relief valves are also used when the shutoff pressure plus the static suction pressure exceeds the rated system pressure.

Enclosed Waste Cone

The enclosed or open waste cone is connected directly to the main relief valve and provides a visual indication of the water discharging through the line. The fitting also increases the line size from the relief valve as required by NFPA 20. The enclosed cone is provided with a sight glass.

90 deg. Elbow

Standard 90 deg. elbows are required in the piping arrangement as shown for the main relief valve drain, hose header line, and as needed for any given layout. The installing contractor will generally furnish this fitting.

Check Valve

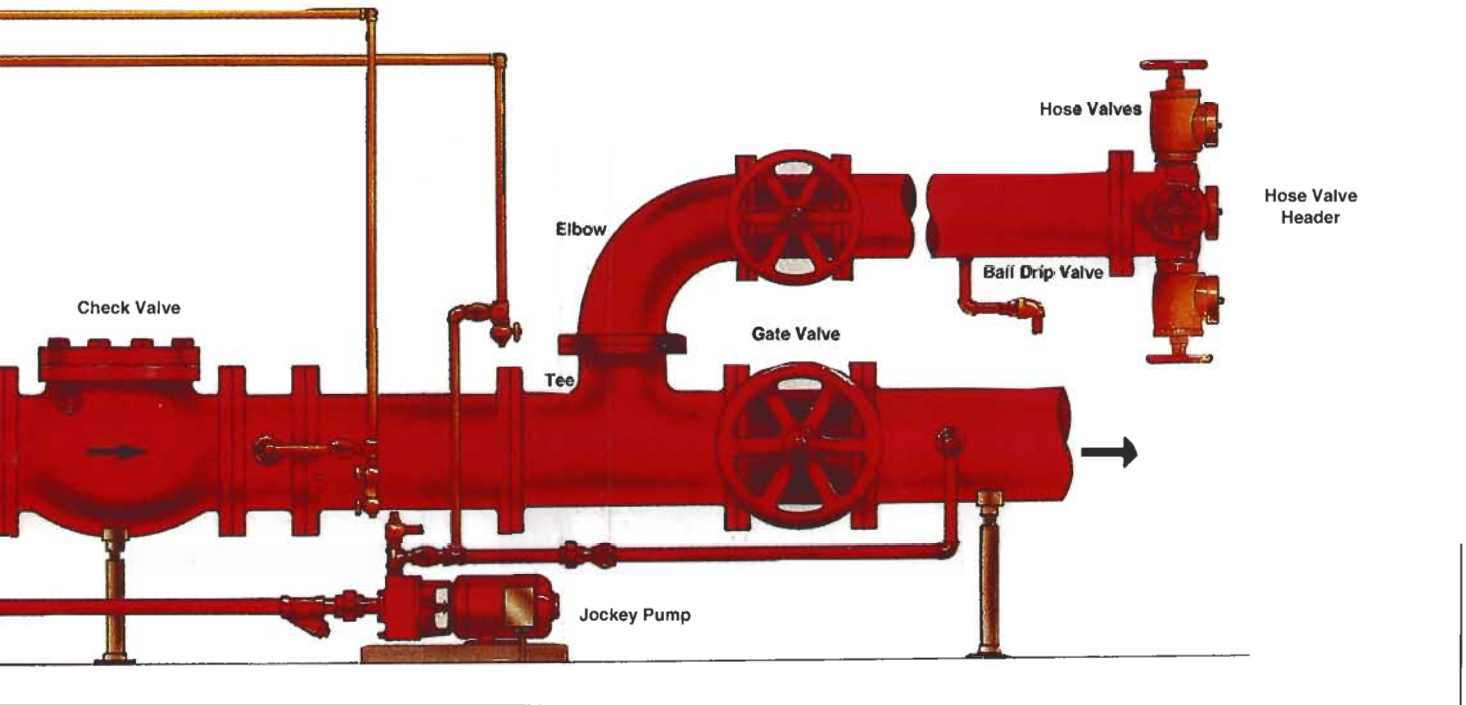
A listed check valve is furnished in the piping arrangement as shown. This fitting is furnished by the installing contractor.

Hose Valve Header

The hose valve header is used in conjunction with the hose valves in order to test the fire pump and the suction supply. The header provides the required number of outlets for the hose valves. The header is generally located outside the pump room.

Gate Valve

Listed gate or butterfly valves are to be used when required in the system or as shown in the above typical system. Butterfly valves are for use only in the discharge assembly. The installing contractor generally furnishes these valves.



Hose Valves

Hose valves are UL/FM approved and are furnished in the required quantity for a given fire pump size by NFPA 20. The threads will generally, be NST standard with caps and chains.

Ball Drip Valve

When the hose header is located outside, or at a distance from the pump, and a danger of freezing exists, a ball drip valve or indicating drain valve shall be located in the pipeline to the hose header. The valve will allow the water to be drained when not being used, thus preventing the line from breakage in the winter due to freezing.

Jockey Pump

Most piping systems generally have a small amount of leakage causing a drop in the system pressure. To prevent the fire pump from starting to maintain the system pressure for this non-fire related need, a small jockey pump is applied in the system. The jockey pump controller is pressure activated and the pump sized to maintain the system pressure at the minimum allowable leakage rate. Any pump meeting these requirements is acceptable for use as a jockey pump. The pumps are not available with a UL Listing nor FM approval.

NFPA Minimum Piping Sizes (Nominal) In Inches

ITEM	RATED PUMP CAPACITY (GPM)																				
	25	50	100	150	200	250	300	400	450	500	750	1000	1250	1500	2000	2500	3000	3500	4000	4500	5000
Suction Size	1	1½	2	2½	3	3½	4	4	5	5	6	8	8	8	10	10	12	12	14	16	16
Discharge Size	1	1½	2	2½	3	3	4	4	5	5	6	6	8	8	10	10	12	12	12	14	14
Main Relief Valve	¾	1¼	1½	2	2	2	2½	3	3	3	4	4	6	6	6	6	8	8	8	8	8
Waste Cone	¾x1	1¼x1½	1½x2	2x2½	2x2½	2x2½	2½x3½	3x5	3x5	3x5	4x6	4x8	6x8	6x8	6x10	6x10	8x12	8x12	8x14	8x14	8x14
Hose Valve Header	1	1½	2	2½	2½	3	3	4	4	4	6	6	8	8	8	10	10	12	12	12	12
Hose Valves Quantity	1	1	2	1	1	1	1	2	2	2	3	4	6	6	6	8	12	12	16	16	20
Flow Meter	1¼	2	2½	3	3	3	3	4	4	5	5	6	6	8	8	8	8	10	10	10	10

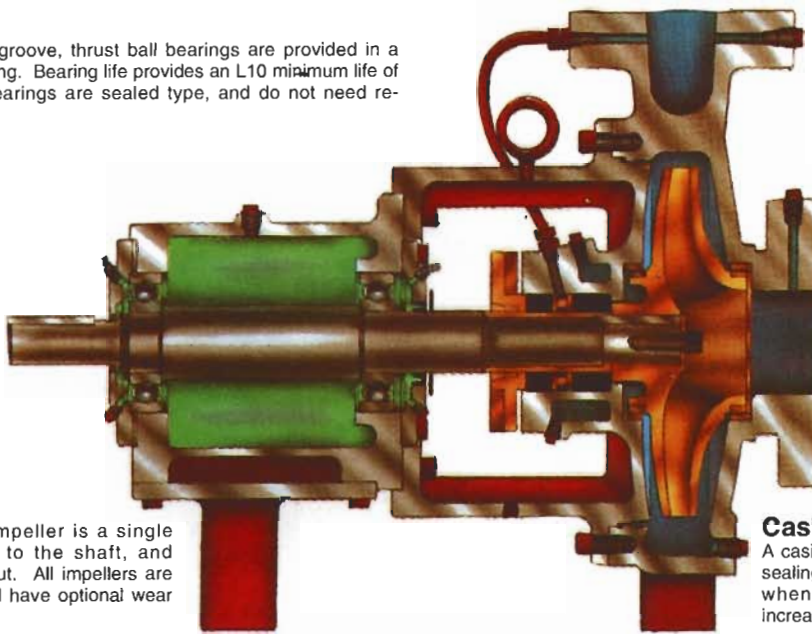
END SUCTION DESIGN

Bearings

Grease lubricated, deep groove, thrust ball bearings are provided in a regreasable bearing housing. Bearing life provides an L10 minimum life of 20,000 hours. Radial bearings are sealed type, and do not need re-lubrication.

Impeller

The standard bronze impeller is a single suction design, keyed to the shaft, and secured by an impeller nut. All impellers are dynamically balanced and have optional wear rings.



Casing

The casings provided centerline discharge eliminating the need for reverse rotation considerations. The casings are high quality cast iron as standard. Special materials are available as an option.

ANSI Design

The ANSI standard adopted by NFPA 20 assures a quality design to provide years of reliable operation.

Casing Wear Rings

A casing wear ring is provided for sealing function, and is renewable when the wearing clearance increases.

UL AND FM APPROVED PUMP RATINGS

RATED FOR 25 & 50 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	50-158	3300	3X2A60	3	2	1	261	B-103
2	54-186	3560	3X2A60	3	2	1	261	B-103

RATED FOR 100, 150, 200, 250 GPM

1	60-125	3000	3X2A60	3	2	1	261	B-103
2	50-158	3300	3X2 A60	3	2	1	261	B-103
3	54-186	3560	3X2A60	3	2	1	261	B-103

RATED FOR 300 GPM

1	58-123	3000	3X2A60	3	2	1	261	B-103
2	119-210	3000	4X3A40	4	3	1	325	B-103
3	59-118	3000	4X3A70	4	3	1	260	B-103
4	54-183	3560	3X2A60	3	2	1	261	B-103

RATED FOR 400 GPM

1	80-117	3000	3X2 A60	3	2	1	261	B-103
2	117-210	3000	4X3A40	4	3	1	325	B-103
3	58-116	3000	4X3A70	4	3	1	260	B-103
4	44-145	3300	4X3A70	4	3	1	260	B-103
5	46-171	3525	4X3A70	4	3	1	260	B-103

RATED FOR 450 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	115-208	3000	4X3A40	4	3	1	325	B-103
2	57-116	3000	4X3A70	4	3	1	260	B-103
3	43-144	3300	4X3A70	4	3	1	260	B-103
4	46-170	3525	4X3A70	4	3	1	260	B-103

RATED FOR 500 GPM

1	115-208	3000	4X3A40	4	3	1	325	B-103
2	56-112	3000	4X3A70	4	3	1	260	B-103
3	41-144	3300	4X3A70	4	3	1	260	B-103
4	47-169	3525	4X3A70	4	3	1	260	B-103

RATED FOR 750 GPM (FM APPROVAL ONLY)

1	106-195	3000	4X3A40	4	3	1	325	B-103
2	83-104	3000	4X3A70	4	3	1	260	B-103

VERTICAL IN LINE DESIGN

Stuffing Box

Packed with Non-Asbestos packing with Bronze split gland.

Shaft Sleeves

To protect the shaft against wear and corrosion, a Bronze shaft sleeve is provided.

Casing Wear Ring

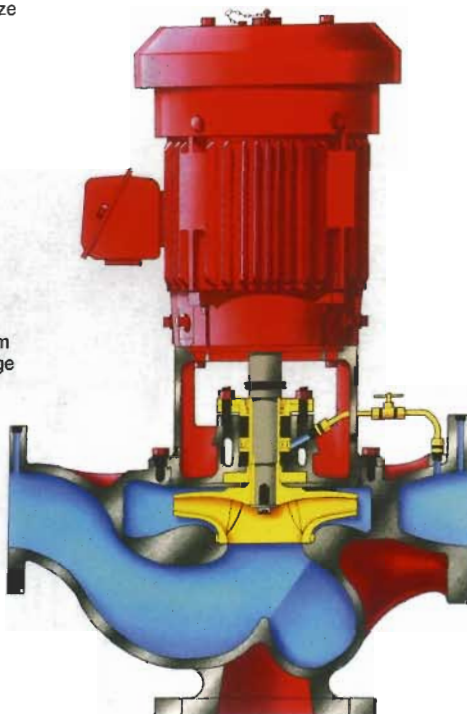
Bronze wear rings provide sealing for minimum recirculation between the suction and discharge areas of the casing. The rings are staked by Stainless steel set screws to prevent their rotation.

Impellers

Bronze, enclosed, single suction design impeller is keyed to the shaft and secured by an impeller nut. All impellers are dynamically balanced.

Casing

The casing provides inline suction and discharge. The casing is high quality cast iron as a standard. Special materials are available as an option.



UL AND FM APPROVED PUMP RATINGS

RATED FOR 25 & 50 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	48-125	3480	1.5X1.5IL	1 1/2	1 1/2	1	220	B-203

RATED FOR 100 GPM

1	67-124	2980	3X3IL	3	3	1	275	B-203
2	50-188	3540	3X3IL	3	3	1	275	B-203

RATED FOR 150 GPM

1	65-121	2980	3X3IL	3	3	1	275	B-203
2	48-186	3540	3X3IL	3	3	1	275	B-203

RATED FOR 200 GPM

1	65-119	2980	3X3IL	3	3	1	275	B-203
2	48-184	3540	3X3IL	3	3	1	275	B-203

RATED FOR 250 GPM

1	60-117	2980	3X3IL	3	3	1	275	B-203
2	48-184	3540	3X3IL	3	3	1	275	B-203

RATED FOR 300 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	SUCT INLET dia.	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	58-113	2980	3X3IL	3	3	1	275	B-203
2	55-110	2980	4X4IL	4	4	1	300	B-203
3	65-169	3525	4X4IL	4	4	1	300	B-203
4	-175	3540	3X3IL	3	3	1	275	B-203

RATED FOR 400 GPM

1	54-108	2980	4X4IL	4	4	1	300	B-203
2	65-169	3525	4X4IL	4	4	1	300	B-203

RATED FOR 450 GPM

1	53-107	2980	4X4IL	4	4	1	300	B-203
2	63-167	3525	4X4IL	4	4	1	300	B-203

RATED FOR 500 GPM

1	52-105	2980	4X4IL	4	4	1	300	B-203
2	63-167	3525	4X4IL	4	4	1	300	B-203

RATED FOR 750 GPM

1	52-130	3000	4X4IL	4	4	1	300	B-203
2	82-186	3580	4X4IL	4	4	1	300	B-203

VERTICAL TURBINE DESIGN

UL AND FM APPROVED VERTICAL TURBINE PUMPS

The use of vertical turbine pumps is for installation where water sources are below ground level.

RATED FOR 250 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	54-238	1800	8VT	6	3-11	500	B-606
2	238-446	1800*	8VT	6	11-20	500	B-606
3	43-312	3000*	8VT	6	1-5	500	B-606
4	62-442	3550*	8VT	6	1-5	500	B-606

RATED FOR 300 GPM

1	52-233	1800	8VT	6	3-11	500	B-606
2	233-433	1800*	8VT	6	11-20	500	B-606
3	42-303	3000*	8VT	6	1-5	500	B-606
4	61-433	3550*	8VT	6	1-5	500	B-606

RATED FOR 400 GPM

1	49-217	1800	8VT	6	3-11	500	B-606
2	217-407	1800*	8VT	6	11-20	500	B-606
3	41-290	3000*	8VT	6	1-5	500	B-606
4	59-416	3550*	8VT	6	1-5	500	B-606

RATED FOR 500 GPM

1	41-158	1500*	10VT	6	2-6	290	B-603
2	56-154	1770	10VT	6	2-4	290	B-603
3	154-223	1770*	10VT	6	4-6	290	B-603
4	46-204	1800	8VT	6	3-11	500	B-606
5	40-277	3000*	8VT	6	1-5	500	B-606
6	58-398	3550*	8VT	6	1-5	500	B-606

RATED FOR 750 GPM

1	63-151	1500*	10VT	6	2-6	290	B-603
2	52-145	1770	10VT	6	2-4	290	B-603
3	145-216	1770*	10VT	6	4-6	290	B-603
4	54-353	3550*	8VT	6	1-5	500	B-606

RATED FOR 1000 GPM

1	58-145	1500*	10VT	6	3-6	290	B-603
2	40-195	1500*	12VT	8	1-4	298	B-604
3	47-135	1770	10VT	6	1-4	290	B-603
4	135-208	1770*	10VT	6	4-6	290	B-603

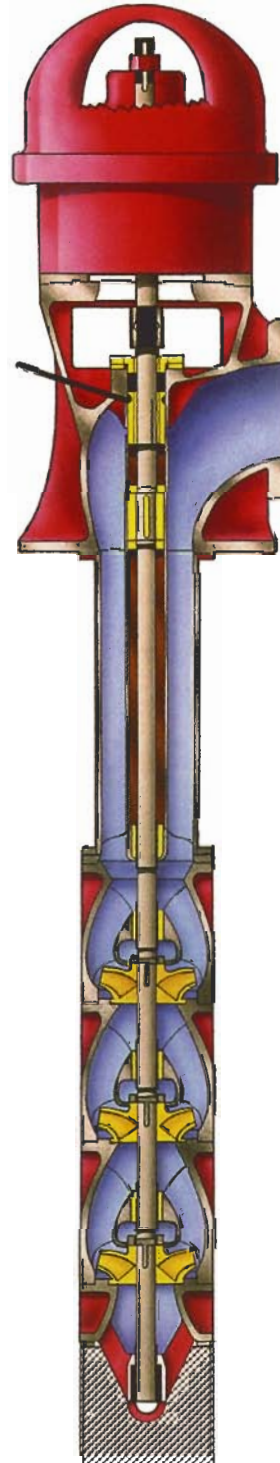
RATED FOR 1250 GPM

1	53-135	1500*	10VT	8	3-6	290	B-603
2	40-190	1500*	12VT	8	1-4	298	B-604
3	62-126	1770	10VT	8	3-4	290	B-603
4	126-199	1770*	10VT	8	4-6	290	B-603

RATED FOR 1500 GPM

1	45-186	1500*	12VT	8	1-4	298	B-604
2	70-190	1770*	10VT	8	3-6	290	B-603
3	45-178	1790	12VT	8	1-3	298	B-604
4	178-270	1790*	12VT	8	3-4	298	B-604

Note: * UL approved only



Head Shaft

Standard head shaft is C-1045 steel. Optional stainless steel shaft is available.

Discharge Assembly

Standard surface discharge assembly is cast iron and is designed to support the driver as well as the pump column pipe.

Column Pipe

Column pipe is flanged for ease of assembly and disassembly. The standard material is prime grade steel conforming to ANSI standards and length does not exceed 10 ft. All column flange faces are machined for a rabbet fit to permit accurate alignment.

Shaft Coupling

Stainless steel heavy duty key and split thrust ring couplings is standard. The shaft assembly and disassembly is made easier because of this special thrust ring type of coupling design. This also allows the pump to run in reverse direction without causing damage to the pump.

Line Shaft

The standard line shaft material is 416 stainless steel without cover pipe. C-1045 steel will be used on pumps with cover pipe design.

Lineshaft Bearings

Bearings are spaced no more than 10ft apart, in order to ensure adequate centering of the lineshaft within the column.

Bowl Assembly

Standard assembly includes cast iron bowls, stainless steel shaft, seals, bronze or neoprene bowl bearings. Bronze impeller and 316 stainless steel hardware, provide long life and less maintenance. Bronze bowl wear rings are permanently attached to the bowl to eliminate the possibility of rotational and axial movement.

Bowl Shaft

Bowl shaft is 416 stainless steel machined and ground to close tolerances. They are sized to transmit the torque and handle the imposed, hydraulic thrust loads, all the while maintaining minimum amount of deflection under any flow conditions.

Suction Bowl

Bell mouth suction bowl provides minimal flow restriction at the impeller entrance.

Basket Strainer

Strainer standard material is stainless steel and, is attached to the suction bowl. Strainer has a free area equal to four times the minimum cross sectional area of the suction bowl. The openings of the strainer will not permit passage of solids larger than 1/2" sphere.

UL AND FM APPROVED VERTICAL TURBINE PUMPS

RATED FOR 2000 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	43-178	1500*	12VT	10	1-4	298	B-604
2	43-167	1790	12VT	10	1-3	298	B-604
3	167-260	1790*	12VT	10	3-4	298	B-604

RATED FOR 2500 GPM

1	40-169	1500*	12VT	10	1-4	298	B-604
2	40-160	1790	12VT	10	1-3	298	B-604
3	160-251	1790*	12VT	10	3-4	298	B-604

RATED FOR 3000 GPM

1	78-156	1500*	12VT	12	2-4	298	B-604
2	51-165	1780	14VT	12	1-2	250	B-605
3	46-152	1790	12VT	12	1-3	298	B-604
4	152-238	1790*	12VT	12	3-4	298	B-604

RATED FOR 3500 GPM

ITEM NO.	RATED HEAD psi	RATED SPEED r/min	TYPE	DISC OUTLET dia.	STAGE	WORK. PRESS. (psi)	REFER BULLETIN
1	50-158	1780	14VT	12	1-2	250	B-605
2	47-139	1790	12VT	12	1-3	298	B-604
3	139-227	1790*	12VT	12	3-4	298	B-604

RATED FOR 4000 GPM

1	49-154	1780	14VT	12	1-2	250	B-605
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RATED FOR 4500 GPM

1	47-150	1780	14VT	14	1-2	250	B-605
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RATED FOR 5000 GPM

1	47-145	1780	14VT	14	1-2	250	B-605
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Note: * UL approved only

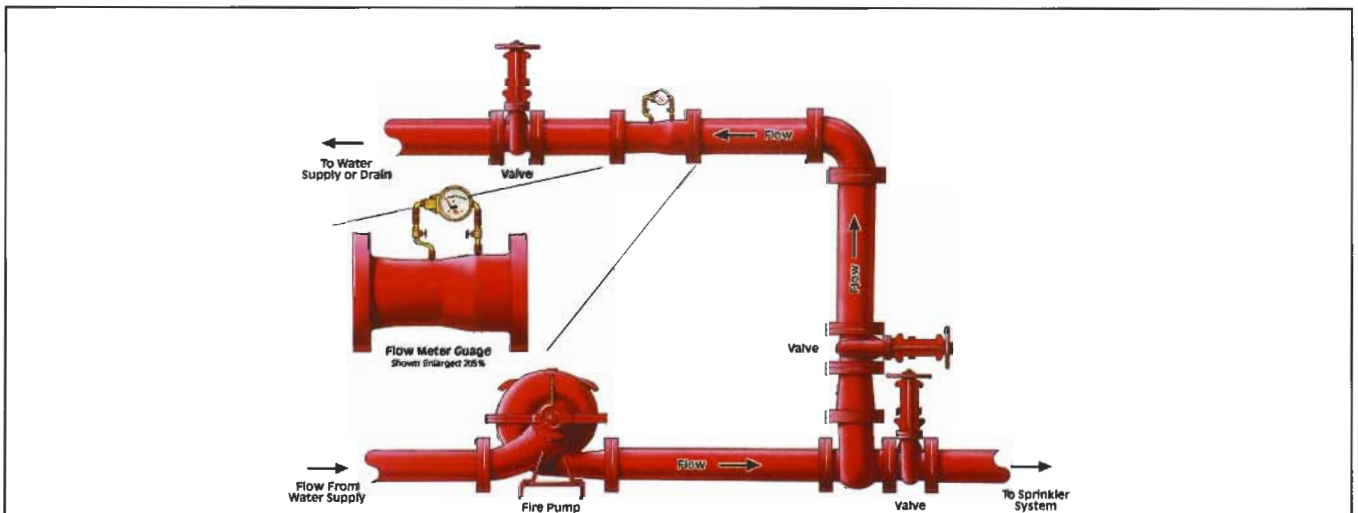
UL AND FM APPROVED FLOW METERS (VENTURI TYPE) (REFER TO BULLETIN B-901)

- Different Sizes to Fit All Applications
- Clog-Free Design
- Venturi Provides Compact Piping Layout Designs
- $\pm 3\%$ Overall System Accuracy
- Available with 125 Lb. (Std.) or 250 Lb. ASA B16.1 Flanges
- Meter Reads in GPM

LOW PRESSURE LOSS...as compared with other flow measuring devices

MAINTENANCE-FREE...no recalibration or parts replacement required

MODEL NO.	FIRE PUMP RATED CAPACITY (GPM)		VENTURI SIZE DIAMETER (in.)	WIDTH OF VENTURI (in.)
	UL	FM		
RBV-3	250, 300	200	3	11-1/2
RBV-4	400, 450, 500	250, 300, 450	4	14-1/2
RBV-5	750	500, 750	5	17-1/2
RBV-6	1000, 1250, 1500	1000, 1250	6	20
RBV-8	2000, 2500, 3000, 3500	1500, 2000, 2500, 3000	8	26
RBV-10	4000, 4500, 5000	3500, 4000, 4500	10	32-1/2



VENTURI FLOW METER SYSTEM

Other R-B Pump Products:

Navy Pumps

- Conform to Military Standards

Self Priming Pumps

- Capacities 30-2000 GPM
- Head up to 500 ft.

End Suction Circulating Pumps

- With either Front Pull Out or Back Pull Out Design
- 10 GPM to 5000 GPM
- Head up to 500 ft.

Horizontal Split Case Centrifugal Pumps

- Single & Two Stage Design
- Capacities: To 50,000 GPM
- Head up to 1,300 ft.

Axial & Mixed Flow Pumps

- Capacities: 1000 - 250,000 GPM
- Head: 5-54 Ft., per Stage
- Custom Designed to 600,000 GPM

End Suction ANSI Pumps

- High Efficiencies
- ANSI B16.1 - 1977 STD. Design
- Capacities 25-5,000 GPM
- Head up to 400 ft.

Inline Booster Pumps

- Capacities to 1,000 GPM
- Head up to 400 ft.

Vertical Turbine Pumps

- Single to Multi Stage design
- Capacities to 30,000 GPM
- Head up to 1,030 ft.

Non Clog Dry Pit Pumps

- Capacities to 100,000 GPM
- Head up to 100 ft.

5 Year Warranty On Our Pumps

R-B Pump, Inc.

P.O. Box 557

Baxley, Georgia 31513

(912) 367-6345

Website: www.rbpump.com

E-Mail: rbpump@cybersouth.com

MEMBER OF THE



Bulletin No. 1001

NOTE: R-B Pump reserves the right to make revisions to its products and specifications, and to this bulletin and related information without notice.