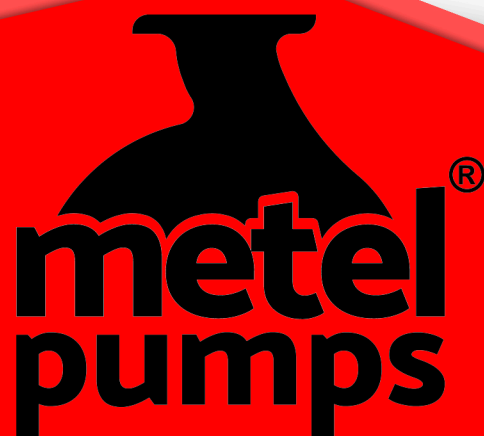


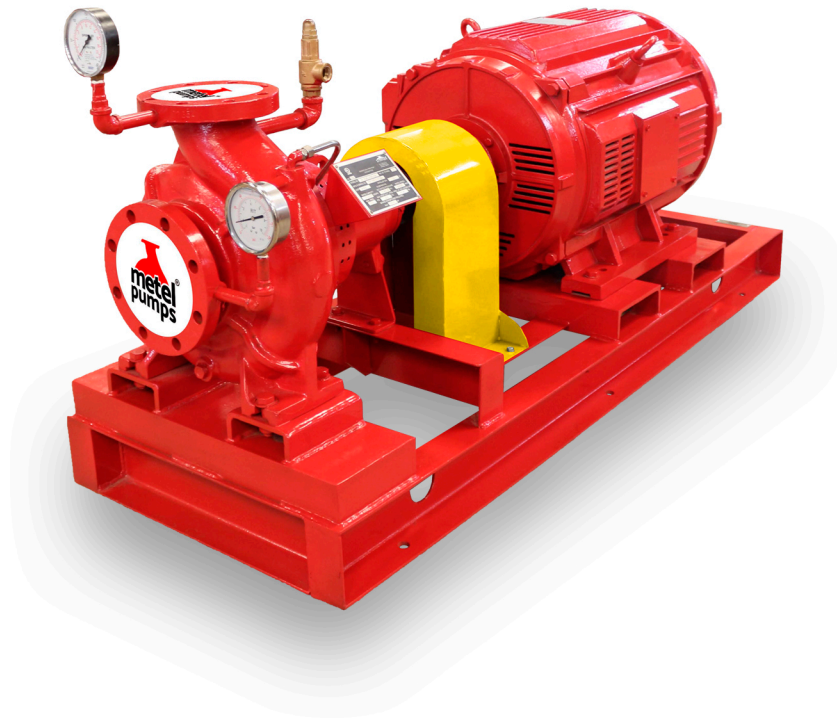
Fire Pumps Horizontal Centrifugal End-Suction



50 – 1000 USGPM at 81 – 221 PSI
2950 / 3550 RPM
50 / 60 HZ

ISO 9001
BUREAU VERITAS
Certification





MES Series

Metel-Pumps Horizontal Centrifugal End-Suction MES series with third-party certified flow rates from 50 USGPM through 1000 USGPM is the perfect design for low-flow applications throughout the fire pump industry. The MES series are fully compliant with NFPA 20 standards and can be driven by diesel engines operating at 2950 RPM or electric motors operating at 2950 RPM (50 Hz) and as well as 3550 RPM (60 Hz).

UL-Listed Certified Performance

Flowrate: 50 – 1000 USGPM (11.35 – 227.12 m³/h)

Pressure Head: 81 – 221 PSI (57 – 155.5 Meters Head)

Speed: 2950 RPM / 3550 RPM (50 – 60 Hz)

Design Key Features

Single-stage horizontal centrifugal pump.

Vertical discharge on the centreline minimizes residual piping strain and is self-venting.

GGG40 ductile iron casing and rear cover hydraulically tested up to 310 PSI pressure ratings.

G-CuSn10 bronze / AISI 316 Stainless Steel Impellers.

420 stainless steel shaft, 316 stainless steel shaft sleeve, 304 stainless steel gland.

Back pull-out design simplifies maintenance and reduces problems associated with pipe strain.

Enclosed impeller design ensures maximum pumping efficiency.

Vortex suppressor located at suction inlet designed to minimize pre-rotation of fluid prior to entering the impeller eye.

Installation Areas

Residential Buildings

Office Buildings

Commercial Buildings

Schools and Colleges

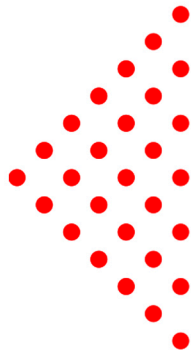
Hospitals and Clinics

Applications

Hose Reel System

Sprinkler System

Hydrant System



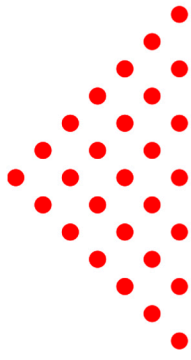
Horizontal Centrifugal Fire Pumps, End Suction

Pump Capacity US GPM	Pump Model	Rated Net Pressure Range		Flange Sizes		Approximate Speed RPM	Maximum Working Pressure PSI
		PSI	BAR	Inches	DN		
50	MES 40/270	98-139	6.7-9.6	2-1/2x1-1/2	65/40	2950	220
50	MES 40/270-60	142-197	9.8-13.6	2-1/2x1-1/2	65/40	3550	239
100	MES 40/270	93-133	6.4-9.1	2-1/2x1-1/2	65/40	2950	220
100	MES 40/270-60	138-192	9.5-13.2	2-1/2x1-1/2	65/40	3550	239
150	MES 40/270	84-125	5.8-8.6	2-1/2x1-1/2	65/40	2950	220
150	MES 40/270-60	131-184	9.0-12.7	2-1/2x1-1/2	65/40	3550	239
150	MES 50/270	102-140	7.0-9.6	3x2	80/50	2950	232
200	MES 50/270	99-138	6.8-9.5	3x2	80/50	2950	232
200	MES 80/270-60	134-207	9.2-14.3	5x3	125/80	3550	239
250	MES 50/270	95-135	6.5-9.3	3x2	80/50	2950	232
250	MES 65/270	92-149	6.3-10.3	4x2-1/2	100/65	2950	232
300	MES 65/270	90-150	6.2-10.3	4x2-1/2	100/65	2950	232
300	MES 80/270-60	133-207	9.2-14.3	5x3	125/80	3550	239
400	MES 65/270	87-146	6.0-10.0	4x2-1/2	100/65	2950	232
400	MES 80/270	90-141	6.2-9.7	5x3	125/80	2950	233
400	MES 80/270-60	134-206	9.2-14.2	5x3	125/80	3550	239
400	MES 80/340	138-221	9.5-15.2	5x3	125/80	2950	303
450	MES 80/270	88-139	6.0-9.6	5x3	125/80	2950	233
450	MES 80/340	138-220	9.5-15.1	5x3	125/80	2950	303
450	MES 100/270	87-146	6.0-10.0	5x4	125/100	2950	233
450	MES 100/340	121-218	8.3-15.0	5x4	125/100	2950	300
500	MES 80/270	86-136	5.9-9.4	5x3	125/80	2950	233
500	MES 80/270-60	131-204	9.0-14.0	5x3	125/80	3550	239
500	MES 80/340	136-217	9.4-14.9	5x3	125/80	2950	303
500	MES 100/270	87-144	6.0-9.9	5x4	125/100	2950	233
500	MES 100/270-60	131-204	9.0-14.0	5x4	125/100	3550	270
500	MES 100/325	123-196	8.5-13.5	6x4	150/100	2950	310
500	MES 100/340	121-217	8.3-15.0	5x4	125/100	2950	300
750	MES 100/270	81-139	5.6-9.6	5x4	125/100	2950	233
750	MES 100/270-60	126-200	8.6-13.8	5x4	125/100	3550	270
750	MES 100/325	119-193	8.2-13.3	6x4	150/100	2950	310
750	MES 100/340	115-213	7.9-14.7	5x4	125/100	2950	300
1000	MES 100/270-60	117-194	8.0-13.4	5x4	125/100	3550	270
1000	MES 100/325	111-186	7.6-12.8	6x4	150/100	2950	310

*File Number: EX28456 / Standard for Safety: ANSI/CAN/UL 448, 12th Ed., Issue Date: 2020-3-30



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Factory

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