McDAVID HEAVY EQUIPMENT

PIPELINE PRODUCT CATALOG

Pipe • Fittings • Flanges • Valves • Waterworks • Hose



SUPPLY • SOURCING • TECHNICAL SUPPORT

2026 MHE sourcing catalog • Specifications confirmed per quotation

A practical supply catalog for real projects.

MHE SOURCING PROGRAM



MHE brings product access and field knowle

McDavid Heavy Equipment supports water, sewer, industrial and trenchless projects with pipeline products, equipment sourcing, technical review, training and field consultation.

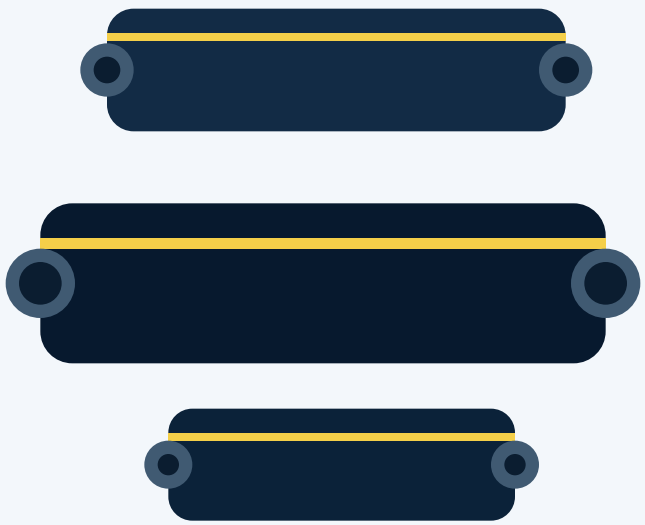
- HDPE, composite, PVC and PPR pipe systems
- Fusion, compression and threaded fittings
- Inspection chambers, valves and flexible hose
- Project-specific quotations, logistics and technical support

HOW TO USE THIS CATALOG

Select a product family, identify the required diameter, pressure class, standard, quantity and delivery country, then request an MHE quotation. Images show representative configurations. Final dimensions, materials, certifications, colors and brands are confirmed in the written quotation.

HDPE pressure pipe

PE100 • SDR 7 TO SDR 21



Representative PE pressure pipe configurations

PE100 SDR coverage

Catalog range requested: SDR 7 through SDR 21, inclusive

- SDR 7
- SDR 9
- SDR 11
- SDR 13.6
- SDR 17
- SDR 21

Nominal outside diameter

20 mm to 1600 mm OD

Availability varies by diameter, resin grade, standard and market. Pressure rating depends on the selected SDR, PE compound, design standard, fluid, temperature and operating conditions. Confirm the required specification and potable-water approvals in the quotation.

- Corrosion resistant
- Smooth internal bore
- Flexible and impact resistant
- Heat-fusion jointing options

HDPE butt-fusion and socket fittings

REPRESENTATIVE CONFIGURATIONS



Reducing Tee
Butt-fusion



45° Elbow
Butt-fusion



90° Elbow
Butt-fusion



Reducer
Butt-fusion



Socket / Coupling
Fusion fitting



Flange Adapter
Backing-ring connection



Equal Tee
Butt-fusion



Reducing Tee
Socket fitting



Stop Valve
Socket system



Ball Valve
Lever operated

PP high-pressure compression fittings

20 mm TO 110 mm • PROJECT DEPENDENT



Couplings
Compression



Tees
Compression



Elbows
Compression



Adaptors
Male / female



Reducing Tees
Compression



End Connectors
Compression



Reducing Couplings
Compression



Couplings
Threaded options



Ball Valves
Inline control



Service Valves
Distribution



Saddle Outlet
Branch connection



Saddle Outlet
Valve option



Elbow
Threaded outlet



Tee
Threaded outlet



Repair Coupling
Inline connection

Steel wire mesh reinforced composite pipe

GB/T 32439 • WATER SUPPLY





Composite construction

A high-strength steel wire mesh reinforcement core is bonded between inner and outer HDPE layers using a compatible adhesive resin.

- Improved pressure capability
- Strong creep resistance
- Corrosion-resistant HDPE surfaces
- Smooth flow path and low scaling

Installation and jointing support



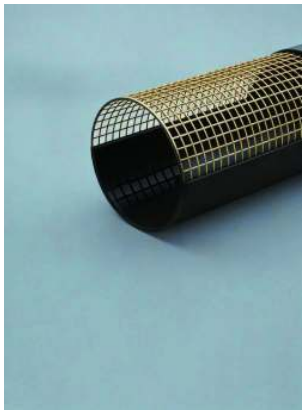







Specialized HDPE structural systems

INDUSTRIAL • DRAINAGE • LARGE DIAMETER



Steel skeleton composite

Circular steel reinforcement improves radial load capacity and strengthens resistance to rapid cracking and environmental stress.



Corrugated drainage pipe

Double-wall corrugated and structured-wall options support gravity drainage, stormwater and underground infrastructure projects.

Project information required

- Outside or inside diameter
- Burial depth and live load
- Stiffness / ring class
- Joint type and gasket requirement
- Design standard and inspection requirements

PE plastic inspection chambers

DRAINAGE • MAINTENANCE ACCESS • SEALED CONNECTIONS



Offset Chamber Base
Two-way connection



Straight Chamber Base
Inline connection



Three-way Base
Branch connection



Four-way Base
Multi-direction



Multi-inlet Base
Flexible layout



Drop Connection
Vertical branch



Tee Base
Inspection access



Cross Base
Four direction



Multi-port Base
Residential drainage



Manifold Base
Multiple branches



Riser Section
Modular height



Adjustable Connector
Angle adjustment



Multi-inlet Riser
Three branches



Grated Top
Surface drainage



Sealed Cover
Maintenance access

PVC pressure and industrial pipe

PVC-U • PVC-O • PVC-M • CPVC • UPVC • PPH







Applications

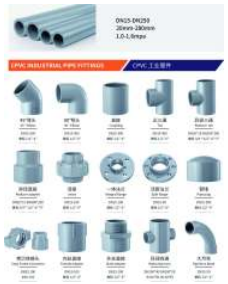
- Municipal water supply and drainage
- Industrial process pipework
- Building services and utilities
- Irrigation and agricultural distribution

Selection factors

- Pressure and temperature
- Chemical compatibility
- Connection standard
- Certification and color requirements

PVC and CPVC industrial fittings

SOCKET • THREADED • FLANGED



CPVC Fittings
Industrial series



UPVC Fittings
Industrial series



PPH Fittings
Industrial series



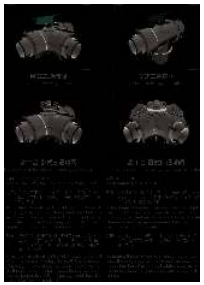
PVC Valve & Fitting Set
Industrial series



Threaded Fittings
Industrial series



Socket Fittings
Industrial series



Large-Bore Fittings
Industrial series



Valve Selection
Industrial series



Control Valves
Industrial series



Installation Data
Project reference

Gate and butterfly valves

ISOLATION • WATERWORKS • INDUSTRIAL

MHE SOURCING RANGE

GATE VALVES

- Resilient-seated gate valves
- Metal-seated gate valves
- Knife gate and slurry valves
- Flanged, grooved and threaded ends
- Handwheel, gearbox or actuated operation



Lever Butterfly

Wafer isolation

Size / class by quote



Gear Butterfly

Handwheel operation

Size / class by quote



Square-Shaft Butterfly

Actuator ready

Size / class by quote



Lug Butterfly

Bolted connection

Size / class by quote

Butterfly configurations

- Wafer, lugged and double-flanged body styles
- Lever, gearbox, pneumatic and electric actuation
- EPDM, NBR, PTFE and project-specific seat materials

Confirm for quotation

- Nominal diameter and pressure class
- Body, disc, stem and seat materials
- End standard, actuator and certification

Additional valve and flow-control types

REPRESENTATIVE CONFIGURATIONS



Union Ball Valve

Isolation / service



Flanged Ball Valve

Industrial isolation



Actuated Ball Valve

Electric operation



Swing Check Valve

Non-return service



Ball Check Valve

Compact non-return



Foot / Bottom Valve

Pump suction service



Diaphragm Valve

Regulation / damping



Air / Breather Valve

Pipeline air control

Also available by project specification: globe, needle, pinch, pressure-reducing, pressure-relief, control, sampling, solenoid, float, flush, hydrant, balancing and three-way / four-way valves.

Flanges, stub ends and transition adapters

METRIC • IPS / DIPS • ANSI / ASME • DIN / EN



HDPE Flange Adapter
Butt-fusion transition



PPR Flange Adapter
Socket-fusion transition



Backing Flange
Bolted joint



Male Transition
Threaded connection



Female Transition
Threaded connection

Flange types available through MHE

- Backing rings and loose backing flanges
- Blind, threaded and slip-on flanges
- Weld-neck, socket-weld and lap-joint flanges
- HDPE / PPR stub ends and flange adapters
- Dismantling joints and universal flange adapters
- Restrained couplings and transition joints
- Full-face and ring gaskets with bolt sets
- Carbon steel, stainless steel, ductile iron and coated options

MATCH OD, BOLT PATTERN, PRESSURE CLASS, MATERIAL AND GASKET TO THE CONNECTED SYSTEM.

Fittings for complete pipeline packages

BUTT-FUSION • ELECTROFUSION • SOCKET • THREADED • COMPRESSION



90° Elbows
Long / short radius



45° Elbows
Also 11.25° / 22.5°



Equal Tees
Branch connection



Reducing Tees
Branch transition



Reducers
Concentric / eccentric



Couplings
Equal / reducing



End Caps
Pipeline termination



Crosses
Four-way branch



Wyes
Lateral branch



Stub Ends
Flanged connection



Threaded Adapters
Male / female



Unions
Detachable joint



Service Saddles
Branch outlet



Repair Couplings
Maintenance



Flange Adapters
Bolted transition

Specify material, OD / nominal bore, SDR or schedule, pressure class, joint method, standard and quantity. Fabricated spools and special-angle fittings can be sourced to approved drawings.

PPR hot and cold water systems

PN12.5 • PN16 • PN20 • PN25







System options

- Standard PPR pipe
- Aluminum-plastic composite PPR
- Fiberglass reinforced F-PPR
- Hot and cold water color identification

Typical uses

- Building hot and cold water
- Heating distribution
- Purified water systems
- Corrosion-resistant service lines

PPR socket-fusion fittings

REPRESENTATIVE CONFIGURATIONS



Overpass Bend
Socket fusion



90° Elbows
Socket fusion



Reducing Elbows
Socket fusion



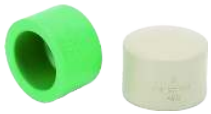
Couplings
Socket fusion



Tees
Socket fusion



45° Elbows
Socket fusion



End Caps
Socket fusion



Equal Tees
Socket fusion



Reducing Tees
Socket fusion



Unions
Detachable joint



Male Adaptors
Threaded transition



Unions
Threaded transition



Flange Adaptors
Flanged transition



Male Plug
Threaded



Backing Flange
Flanged transition

PPR threaded transitions and control valves

METAL INSERT • UNION • BALL VALVE



Female Adaptor
Metal insert



Male Plug
Threaded transition



Pipe Clips
Support accessory



Pipe Saddle
Support accessory



Male Adaptor
Stainless insert



Female Adaptor
Threaded transition



Union
Detachable transition



Stop Valve
Inline control



Male Adaptors
Metal insert



Female Elbows
Metal insert



Female Sockets
Metal insert



Female Tees
Metal insert



Female Union
Metal insert



Male Union
Metal insert



Stop Valves
Red-handle control

PPR distribution accessories

DOUBLE-SEATED • UNION • CONTROL



Double-Seated Socket
Distribution



Double-Seated Tee
Distribution



Double-Seated Elbow
Distribution



Female Tee
Metal insert



Union Pair
Detachable transition



Ball Valve
Lever operated



Installation Tool
Accessory



Female Elbow
Metal insert



Stop Valve
Inline control



Female Tees
Metal insert



Female Elbows
Metal insert



Unions
Metal insert

PVC hose and flexible pipe

IRRIGATION • SUCTION • DELIVERY • INDUSTRIAL



PVC Layflat Hose

Water delivery



Fiber Reinforced Hose

Pressure service



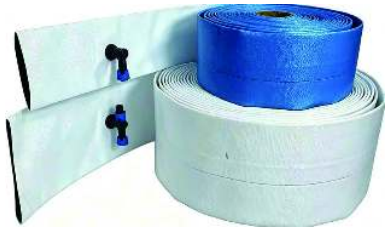
Reinforced PVC Hose

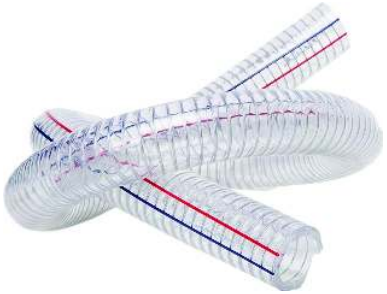
Industrial / agricultural



PVC Suction Hose

Helix reinforced







Hose construction, working pressure, burst pressure, temperature range, length per roll and reinforcement must be confirmed for the intended medium and operating conditions.

Built around the job, not just the product.



Applications

- Potable-water transmission and distribution
- Municipal sewer and drainage
- Industrial process and utility lines
- Agricultural irrigation
- Horizontal directional drilling
- Building plumbing and mechanical systems

MHE can support

- Product matching and specification review
- Supplier sourcing and quotation coordination
- Freight and delivery planning
- Fusion training, inspection and field consultation
- Equipment, tooling and operator support

Send the details that make a quote accurate.

PROJECT RFQ CHECKLIST

1

Product family

HDPE, PVC, PPR, composite pipe, fitting, valve, chamber or hose

2

Size and standard

OD / ID, IPS / DIPS / metric, SDR, schedule, pressure class or stiffness

3

Quantity

Length, pieces, rolls, fittings by configuration and spare quantities

4

Service conditions

Medium, temperature, operating pressure, burial depth and environment

5

Delivery information

Country, port, site address, required date and packaging expectations

6

Required documents

Certification, compliance standard, drawings, inspection and warranty

McDAVID HEAVY EQUIPMENT

LET’S BUILD THE RIGHT PIPELINE PACKAGE.

Send your product list, drawings, route details and delivery schedule.

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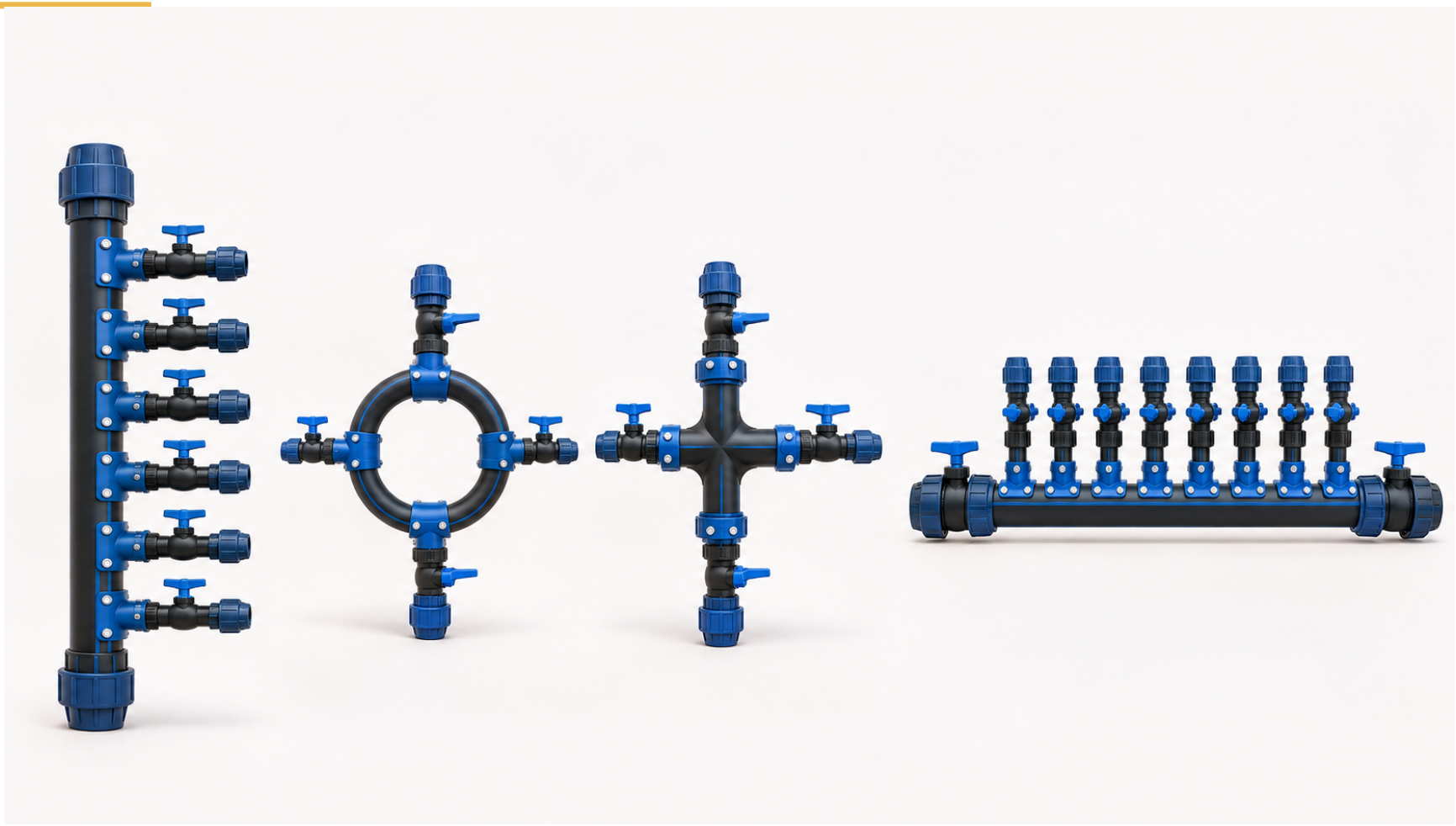
www.mhecanada.ca

HDD • HDPE • WATERWORKS

Product images are representative. Final manufacturer, dimensions, standards, certifications, availability, pricing and warranty are confirmed in the written MHE quotation.

HDPE distribution manifolds

Representative configurations for organized, multi-customer water distribution



STRAIGHT HEADER	LOOP / RING	CROSS / RADIAL	SECTIONED HEADER
Valved branch outlets	Branch distribution	Central multi-way	Multi-outlet layout

PROJECT-ENGINEERED · REQUEST A QUOTE

Representative concept visual only. Final header diameter, branch count and sizes, valve/instrument selection, pressure class, materials and access or vault details are confirmed against project requirements.

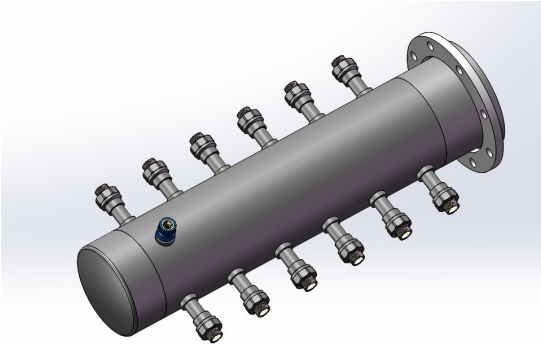
Manifold configurations

Additional reference photographs for project-specific HDPE distribution systems



Flanged multi-outlet headers

Industrial header assemblies with flanged ends and multiple branch outlets.



Engineered multi-port manifold

Concept rendering showing a large header with distributed service outlets.



Fabricated HDPE manifold assemblies

HDPE assemblies with multiple outlet connections for project distribution.

HDPE PIPE AND FITTINGS: SDR 7 TO SDR 21

Confirm diameter, PE grade, pressure rating, standards and compatible outlet connections for each project.

Illustrative configurations. Final dimensions, materials and connections are confirmed against project requirements.

HDPE fusion & assembly tools

EQUIPMENT • SITE TOOLS • ACCESSORIES

Product photos show representative HDPE joining, tapping, preparation and handling equipment.



Butt-fusion welders

Manual, hydraulic and CNC units for joining compatible pipe and fittings.



Socket-fusion welders

Heating tools and dies for socket-fusion joints and fittings.



Electrofusion processors

Control units and accessories for EF couplers and service saddles.



Hot-tapping machines

Tapping equipment and cutters for approved service connections on live mains.



Pipe scrapers

Manual and rotary peelers for preparing pipe surfaces before EF joining.



Pipe & duct pullers

Pulling grips and attachments for HDPE pipe and conduit installation.



Cutting & facing tools

Pipe cutters, facing tools, bead removers and deburring equipment.



Rounding & alignment

Re-rounding clamps, alignment tools, squeeze-off tools, rollers and stands.

MHE sourcing support

Brands, models, compatibility and availability are confirmed by MHE quotation; photos are representative product examples only.

Photo credits: RIYANG, Plasson/AgriFournitures, GW Pipeline, Fuyi Tools, PLCS USA, Rothenberger, and ACU-TECH Hire.