

Troubleshooting

PROBLEM

1. SUDDEN OR RAPID SPITTING
2. LIGHT INTERMITTENT DRIP
3. CONTINUOUS DISCHARGE

POSSIBLE CAUSES

1. Drop in inlet pressure.
2. Sudden increase in downstream pressure due to waterhammer from quick closing shut-off valve installed downstream.
1. Slightly fouled #1 check.
2. Slightly fouled relief valve seat.
1. Fouled #1 check and/or #2 check.
2. Fouled relief valve seat.

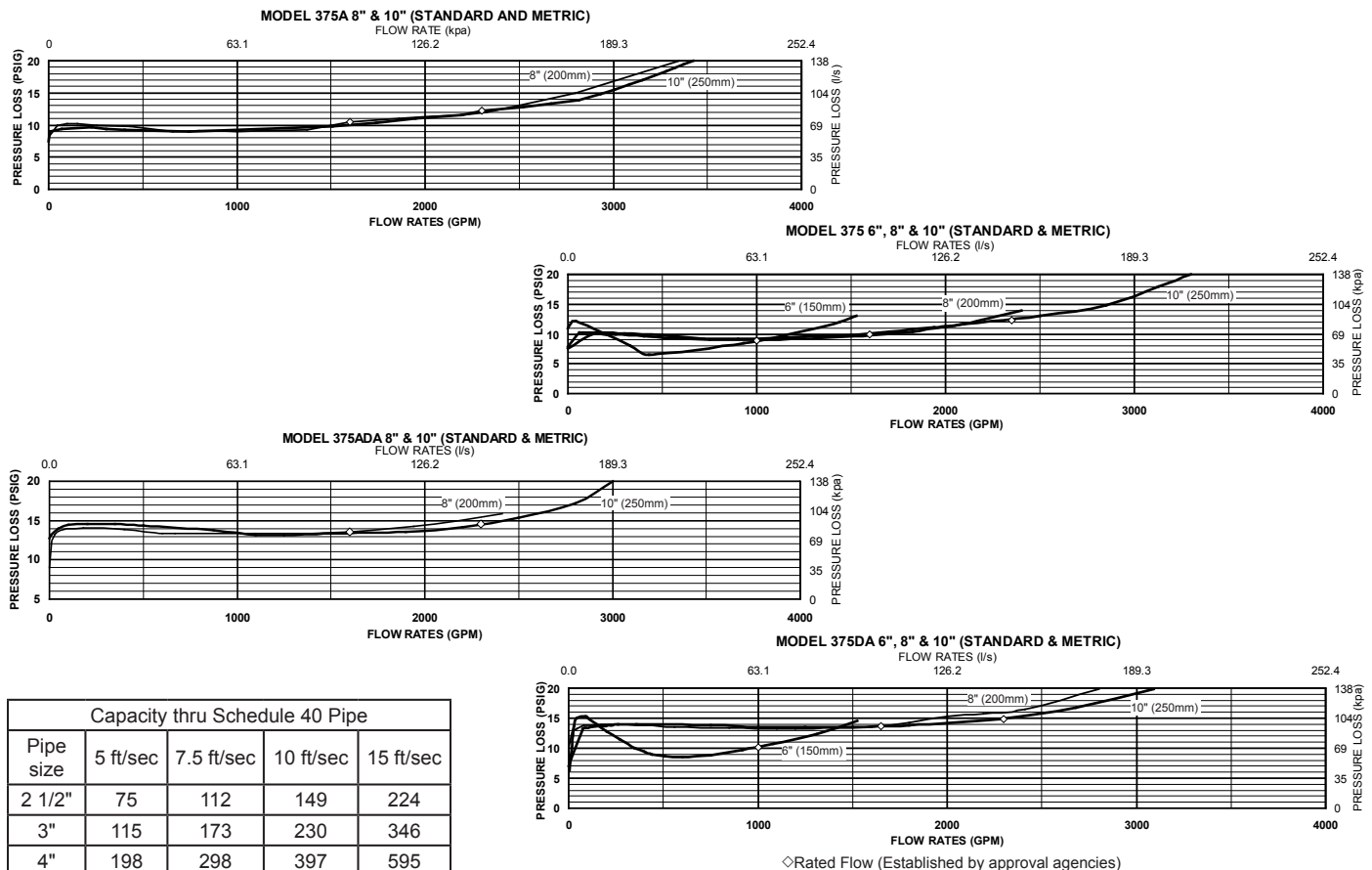
CORRECTIVE ACTION

1. Install an in-line spring loaded check valve or pressure reducing valve upstream of Backflow Preventer.
2. Install an in-line spring loaded check valve or pressure reducing valve downstream of Backflow Preventer.
1. Clean #1 check and/or turn check valve seal ring over or replace.
2. Clean relief valve seat and/or turn relief valve seal ring over or replace.
1. Clean check valves and/or turn check valve seal ring over or replace.
2. Clean relief valve seat and/or turn relief valve seal ring over or replace.

Repair Kits

| SIZE | MODEL 375 RELIEF RUBBER ONLY | MODEL 375 RELIEF COMPLETE | MODEL 375 CHECKS ONLY |
|------|------------------------------|---------------------------|-----------------------|
| 8" | RK8-375R | RK8-375 | RK8-350 |
| 10" | RK8-375R | RK8-375 | RK8-350 |

Performance Characteristics



| Capacity thru Schedule 40 Pipe | | | | |
|--------------------------------|----------|------------|-----------|-----------|
| Pipe size | 5 ft/sec | 7.5 ft/sec | 10 ft/sec | 15 ft/sec |
| 2 1/2" | 75 | 112 | 149 | 224 |
| 3" | 115 | 173 | 230 | 346 |
| 4" | 198 | 298 | 397 | 595 |
| 6" | 450 | 675 | 900 | 1351 |
| 8" | 780 | 1169 | 1559 | 2339 |
| 10" | 1229 | 1843 | 2458 | 3687 |
| 12" | 1763 | 2644 | 3525 | 5288 |

SPECIFICATIONS

Maximum working water pressure: 175 PSI
 Maximum working water temperature: 140°F
 Hydrostatic test pressure: 350 PSI
 End connections: Flanged ANSI B16.1 Class 125

Proper performance is dependent upon licensed, qualified personnel performing regular, periodic testing according to ZURN WILKINS' specifications and prevailing governmental & industry standards and codes and upon following these installation instructions. Failure to do so releases ZURN WILKINS of any liability that it might otherwise have with respect to that device. Such failure could also result in an improperly functioning device.